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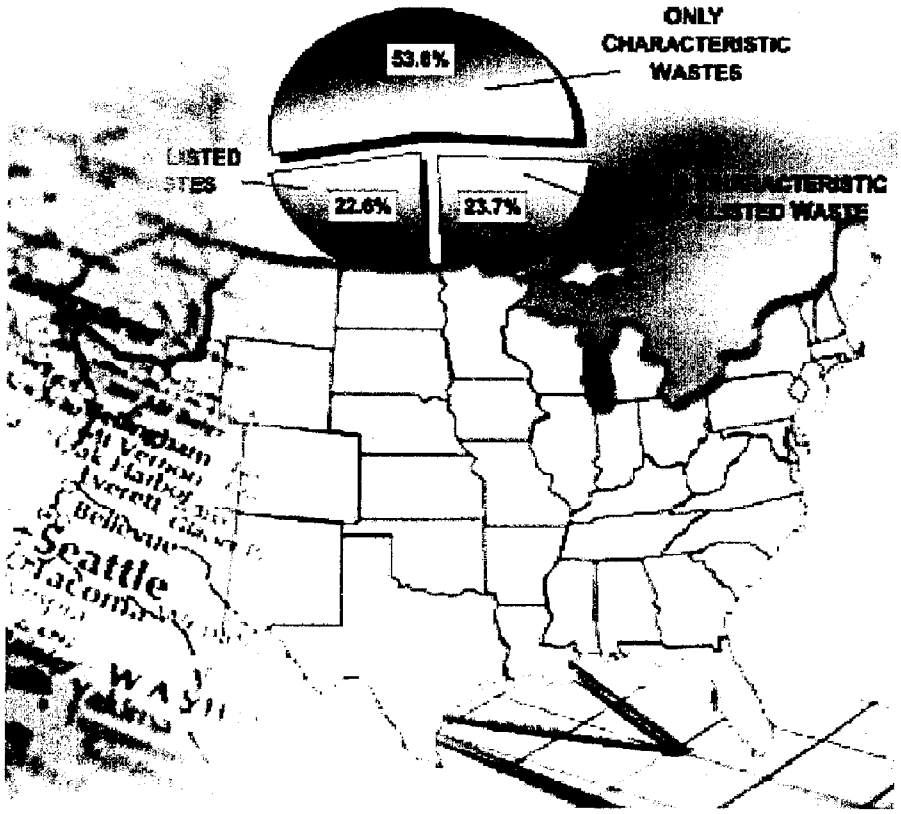
EPA State Summary Analysis

The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)



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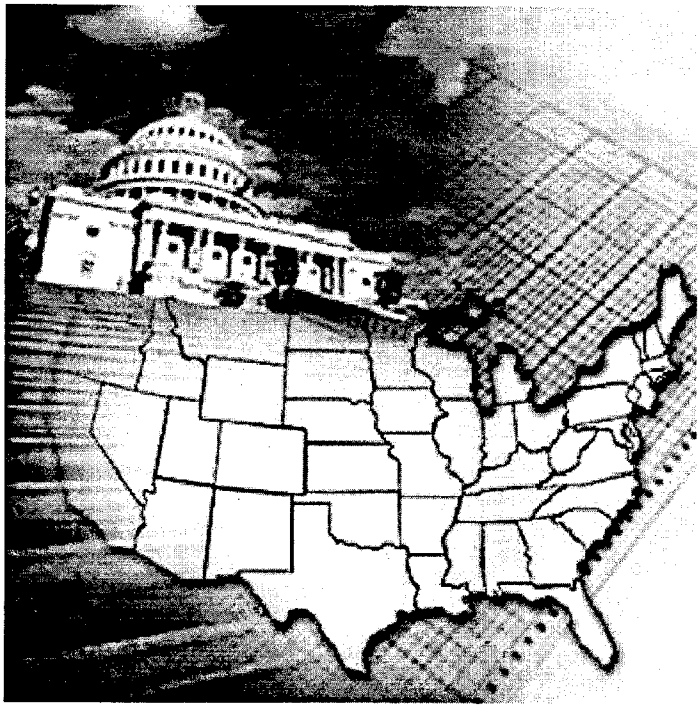
EPA Executive Summary

The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)



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EXECUTIVE SUMMARY

The United States Environmental Protection Agency (EPA), in partnership with the States[1], biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of *The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)* is to communicate the findings of EPA's 1997 Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community.[2] The Report consists of six volumes:

- ***Executive Summary*** provides an overview of national hazardous waste generation and management practices;

- ***National Analysis*** presents a detailed look at waste-handling practices in the EPA Regions, States, and largest facilities nationally, including (1) the quantity of waste generated, managed, shipped and received, and imported and exported between States and (2) the number of generators and managing facilities;

- ***State Summary Analysis*** provides a two-page overview of the generation and management practices of individual States;

- ***State Detail Analysis*** is a detailed look at each State's waste handling practices, including overall totals for generation, management, and shipments and receipts, as well as totals for the largest fifty facilities;

- ***List of Large Quantity Generators*** identifies every hazardous waste generator in the United States that reported itself to be a large quantity generator in 1997; and

- ***List of Treatment, Storage, and Disposal Facilities*** identifies every hazardous waste manager in the United States that reported itself to be a treatment, storage, or disposal facility in 1997.

[1]The term "State" includes the District of Columbia, Puerto Rico, Guam, the Navajo Nation, the Trust Territories, and the Virgin Islands, in addition to the 50 United States.

[2]Some respondents from the States of Georgia and Connecticut submitted Confidential Business Information (CBI) pursuant to §40 CFR 260.2(b). While not included in any public BRS database, CBI has been incorporated into the *Executive Summary* and *National Analysis* volumes of this Report wherever possible. Where CBI has been omitted from these volumes, a footnote has been provided.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RCRA HAZARDOUS WASTE

Throughout this Report, the term RCRA hazardous waste refers to solid waste assigned a Federal Hazardous Waste Code and regulated by RCRA. Some States elect to regulate wastes not regulated by EPA; these wastes are assigned State Hazardous Waste Codes and are not included in this Report. The reader can find more detailed explanations in the *RCRA Orientation Manual* (http://www.epa.gov/epaoswer/general/orientat/) and in the Code of Federal Regulations in 40 CFR Parts 260 and 261 (http://www.epa.gov/docs/epacfr40/chapt-I.info/subch-I/). Please refer to Appendix E of this Report for a complete list of EPA Hazardous Waste Codes used by the regulated community for their 1997 Biennial Report submissions. Details about the information submitted by the regulated community can be found in the *1997 Hazardous Waste Report Instructions and Forms* (http://www.epa.gov/epaoswer/hazwaste/data/brsforms.htm).

CHANGES TO 1997 BIENNIAL REPORTING REQUIREMENTS AND THE NATIONAL BIENNIAL REPORT DATA PRESENTED IN THIS REPORT

In accordance with EPA's efforts to reduce the record keeping and reporting burden on the regulated community, EPA streamlined the Federal data collection forms *(1997 Hazardous Waste Report Instructions and Forms)* for the 1997 Biennial Report cycle by eliminating the Process System (PS) Form. EPA would like to caution all readers of this Report that the change to eliminate the PS Form, along with the changes to the reporting requirements for aqueous wastes, commonly called wastewaters, managed in treatment systems regulated by the Clean Water Act (CWA) and not by the Resource Conservation and Recovery Act (RCRA), will make cursory comparisons of the 1997 National Biennial Report to earlier National Reports misleading.

Wastewaters are defined for biennial reporting as wastes that have a particular form and/or are managed on-site or off-site in treatment systems typically used to manage wastewater. All wastes bearing one of the following wastewater Form Codes (B101-102; B105, B110-116) and/or System Type Codes (M071-079; M081-085, 089; M091-094, 099; M121-125,

129; M134-136) are excluded from the National Report data and the 1997 National Biennial Report, **with one exception: wastewaters managed by System Type Code M134 (Deepwell/Underground Injection) are included in the 1997 National Biennial Report.** Refer to Appendix C and D for complete descriptions of the Form Codes and System Type Codes referenced above.

In previous National Reports, the PS Form was used to separate and exclude from the National Report data all wastes going to on-site treatment systems **exempt** from RCRA permitting requirements. **For the 1997 National Biennial Report, EPA included all non-wastewater data and excluded all wastewater data. The wastewater data was excluded regardless of whether the wastes were managed in RCRA permitted systems prior to management in on-site or off-site treatment systems exempt from RCRA permitting requirements.** This is significant, because historically EPA has included only those wastes managed in units subject to RCRA permitting requirements in the National Biennial Reports. EPA does not believe the inclusion of all non-wastewaters will distort the RCRA hazardous waste management picture presented in this Report, because only a small volume of non-wastewaters are managed in treatment systems exempt from RCRA permitting requirements.

RCRA HAZARDOUS WASTE GENERATION

RCRA hazardous waste generation information is obtained from data reported by RCRA large quantity generators (LQGs). A generator is defined as a Federal large quantity generator if:

- the generator generated in any single month 1,000 kg (2,200 pounds or 1.1 tons) or more of RCRA hazardous waste; or
- the generator generated in any single month, or accumulated at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or
- the generator generated, or accumulated at any time, more than 100 kg (220 pounds) of spill cleanup material contaminated with RCRA acute hazardous waste.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

All generators that reported LQG status in 1997 are required to provide EPA with 1997 waste generation and management information. It is important to note that the LQGs identified in this Report have been included based on the most current information made available to EPA by the States. Both EPA and the States have made a significant effort to ensure the accuracy of this data. However, the LQG counts may include some generators that, when determining whether they were LQGs, used a lower State-defined threshold for LQGs, counted wastes regulated only by their States, or counted wastes exempt from Federal regulation.

To help provide a more accurate picture of hazardous waste generation in the United States, EPA requests specific waste generation information from LQGs. For each RCRA hazardous waste generated, LQGs are required to provide a waste description, the applicable Federal Hazardous Waste Codes that most accurately represent the waste generated, and the quantity of waste generated.

In 1997, 20,316 LQGs reported they generated 40.7 million tons of RCRA hazardous waste. When comparing the 1995 National Biennial Report with the 1997 Report, the number of LQGs decreased by 551, and the quantity of hazardous waste generated decreased by 173 million tons or 81%. The decrease in national hazardous waste generation is due in large part to the exclusion of wastewaters from the 1997 national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Changes to 1997 Biennial Reporting Requirements and the National Biennial Report Data Presented in this Report."

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Biennial Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Report). As presented in Exhibit B.1, 36.3 million tons

of non-wastewater wastes were generated in 1995; therefore, a more accurate picture of the change in national hazardous waste generation between 1995 and 1997 is an increase of 4.4 million tons or 11%. Much of this increase resulted from a change in a few generators' wastewater management practices. In 1995, a few generators reported managing wastewaters in treatment systems exempt from RCRA permitting requirements, and, in accordance with the 1995 national reporting logic, these exempt wastewaters were excluded from the 1995 National Biennial Report. In 1997, the same generators reported managing these same wastewaters in Deepwell/Underground Injection (M134), a treatment system included in the 1997 National Biennial Report.

As identified in Exhibit 1, the five (5) States which contributed most to the national hazardous waste generation total in 1997 were Texas (19.0 million tons), Louisiana (4.6 million tons), Illinois (2.2 million tons), Ohio (1.7 million tons), and Mississippi (1.7 million tons). Together, the LQGs in these States accounted for 72% of the national total quantity generated.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

Exhibit 1 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 1997

	HAZARDOUS WASTE QUANTITY			LARGE QUANTITY GENERATORS		
STATE	RANK	TONS GENERATED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	14	423,968	1.0	25	268	1.3
ALASKA	47	4,547	0.0	44	50	0.2
ARIZONA	35	53,031	0.1	31	180	0.9
ARKANSAS	8	1,052,744	2.6	27	206	1.0
CALIFORNIA	12	672,946	1.7	2	1,782	8.8
COLORADO	28	82,021	0.2	32	163	0.8
CONNECTICUT	32	60,219	0.1	15	404	2.0
DELAWARE	39	19,353	0.0	42	66	0.3
DISTRICT OF COLUMBIA	54	499	0.0	50	20	0.1
FLORIDA	16	398,535	1.0	17	378	1.9
GEORGIA	20	275,096	0.7	14	405	2.0
GUAM	55	412	0.0	53	8	0.0
HAWAII	45	7,241	0.0	47	41	0.2
IDAHO	9	1,014,825	2.5	45	48	0.2
ILLINOIS	3	2,201,025	5.4	5	1,058	5.2
INDIANA	7	1,077,410	2.6	9	633	3.1
IOWA	37	33,681	0.1	30	182	0.9
KANSAS	6	1,333,169	3.3	26	215	1.1
KENTUCKY	21	192,318	0.5	20	348	1.7
LOUISIANA	2	4,624,829	11.4	18	363	1.8
MAINE	46	4,758	0.0	35	137	0.7
MARYLAND	31	63,498	0.2	23	327	1.6
MASSACHUSETTS	27	94,467	0.2	12	474	2.3
MICHIGAN	10	994,047	2.4	8	682	3.4
MINNESOTA	13	427,390	1.1	24	274	1.3
MISSISSIPPI	5	1,654,338	4.1	29	193	1.0
MISSOURI	25	116,705	0.3	18	363	1.8
MONTANA	41	12,266	0.0	46	47	0.2
NAVAJO NATION	56	150	0.0	54	6	0.0
NEBRASKA	38	23,491	0.1	41	68	0.3
NEVADA	40	12,518	0.0	39	90	0.4
NEW HAMPSHIRE	44	9,751	0.0	33	152	0.7
NEW JERSEY	18	348,409	0.9	7	819	4.0
NEW MEXICO	26	99,474	0.2	48	39	0.2
NEW YORK	15	419,899	1.0	1	2,772	13.6
NORTH CAROLINA	30	66,501	0.2	11	505	2.5
NORTH DAKOTA	50	2,686	0.0	51	16	0.1
OHIO	4	1,693,247	4.2	3	1,271	6.3
OKLAHOMA	19	315,296	0.8	34	144	0.7
OREGON	36	49,877	0.1	28	203	1.0
PENNSYLVANIA	17	370,024	0.9	6	1,042	5.1
PUERTO RICO	34	54,120	0.1	38	106	0.5
RHODE ISLAND	42	11,643	0.0	37	107	0.5
SOUTH CAROLINA	43	10,793	0.0	21	341	1.7
SOUTH DAKOTA	53	948	0.0	49	21	0.1
TENNESSEE	11	745,458	1.8	13	461	2.3
TEXAS	1	18,973,406	46.6	4	1,219	6.0
TRUST TERRITORIES	52	1,101	0.0	55	3	0.0
UTAH	29	78,555	0.2	40	89	0.4
VERMONT	48	4,064	0.0	43	65	0.3
VIRGIN ISLANDS	49	2,811	0.0	56	2	0.0
VIRGINIA	33	57,395	0.1	22	329	1.6
WASHINGTON	24	126,601	0.3	10	595	2.9
WEST VIRGINIA	22	152,843	0.4	36	119	0.6
WISCONSIN	23	147,959	0.4	16	400	2.0
WYOMING	51	1,478	0.0	52	15	0.1
CBI DATA	N/A	242	N/A	N/A	2	N/A
TOTAL		40,676,075	100.0		20,316	100.0

Note: Columns may not sum due to rounding.
Percentages do not include CBI data.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RCRA HAZARDOUS WASTE MANAGEMENT

RCRA hazardous waste management information is obtained from data reported by active, permitted RCRA treatment, storage, or disposal facilities (TSDs). A TSD is defined as any facility which treats, stores, or disposes of RCRA hazardous waste, regardless of the quantity managed. Only wastes that were treated or disposed of in 1997 are included in the management quantities in this Report. Wastes generated and subsequently stored in 1997 are *not* included in the management quantities in this Report.

To help provide a more accurate picture of hazardous waste management practices in the United States, EPA requests specific waste management information from TSDs. For each RCRA hazardous waste managed, TSDs are required to provide the quantity of waste managed and the System Type Code which represents the management method used to manage the waste.

It is important to note that the total quantity of RCRA hazardous waste generated is less than the total quantity managed. Some of the reasons for this variance include: wastes generated during non-reporting years but shipped and treated or disposed during a reporting year and wastes received for management from generators in foreign countries.

In 1997, 2,025 TSDs reported they managed 37.7 million tons of RCRA hazardous waste. Of the 2,025 facilities, 1,078 were storage-only facilities. When comparing the 1995 National Biennial Report with the 1997 Report, the number of TSDs increased by 42, and the total quantity of hazardous waste managed decreased by 170.5 million tons or 82%. This decrease was largely attributable to the exclusion of wastewaters from the 1997 national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Changes to 1997 Biennial Reporting Requirements and the Biennial Report Data Presented in this Report."

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Biennial Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Report.) As presented in Exhibit B.2, 35.1 million tons of non-wastewater wastes were managed in 1995; therefore, a more accurate picture of the change in national hazardous waste management between 1995 and 1997 is an increase of 2.6 million tons or 7%. A large portion of this increase resulted from a change in wastewater management practices. In 1995, a few TSDs reported managing wastewater in treatment systems exempt from RCRA permitting requirements, and, in accordance with the 1995 national reporting logic, these exempt wastewaters were excluded from the 1995 National Biennial Report. In 1997, the same TSDs reported managing these same wastewaters in Deepwell/Underground Injection (M134), a treatment system included in the 1997 National Biennial Report. Other factors contributing to the increase included increased waste management activities due to a landfill closing and remediation wastes from RCRA Corrective Action.

As identified in Exhibit 2, the five (5) States whose TSDs managed the largest quantities of hazardous wastes were Texas (17.4 million tons), Louisiana (4.5 million tons), Ohio (1.7 million tons), Mississippi (1.7 million tons), and Kansas (1.6 million tons). The TSDs in these five (5) States account for 71% of the national management total.

In 1997, *land disposal* accounted for 76% of the national non-wastewater management total. Land disposal methods include:

Deepwell/Underground Injection	26 million tons
Landfill	1.5 million tons
Surface Impoundment	1 million tons
Land Treatment/Application/Farming	19 thousand tons

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

Exhibit 2 Quantity of RCRA Hazardous Waste Managed and Number of RCRA TSD Facilities, by State, 1997

	HAZARDOUS WASTE QUANTITY [1]			TSD FACILITIES		
STATE	RANK	TONS MANAGED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	14	415,166	1.1	15	44	2.2
ALASKA	12	449,486	1.2	43	6	0.3
ARIZONA	40	4,218	0.0	29	23	1.1
ARKANSAS	10	1,001,426	2.7	29	23	1.1
CALIFORNIA	7	1,160,627	3.1	1	250	12.4
COLORADO	32	37,658	0.1	32	22	1.1
CONNECTICUT	36	26,680	0.1	25	27	1.3
DELAWARE	43	2,131	0.0	47	4	0.2
DISTRICT OF COLUMBIA	50	0	0.0	51	1	0.0
FLORIDA	21	207,560	0.6	14	46	2.3
GEORGIA	26	72,558	0.2	12	55	2.7
GUAM	50	0	0.0	51	1	0.0
HAWAII	49	99	0.0	48	3	0.1
IDAHO	8	1,093,366	2.9	40	7	0.3
ILLINOIS	13	445,728	1.2	6	86	4.2
INDIANA	6	1,357,777	3.6	17	40	2.0
IOWA	42	3,349	0.0	21	28	1.4
KANSAS	5	1,558,943	4.1	27	24	1.2
KENTUCKY	25	85,575	0.2	21	28	1.4
LOUISIANA	2	4,503,985	11.9	11	57	2.8
MAINE	46	718	0.0	29	23	1.1
MARYLAND	39	4,560	0.0	26	25	1.2
MASSACHUSETTS	37	16,467	0.0	21	28	1.4
MICHIGAN	9	1,075,667	2.9	4	113	5.6
MINNESOTA	23	141,292	0.4	27	24	1.2
MISSISSIPPI	4	1,720,718	4.6	36	16	0.8
MISSOURI	20	238,179	0.6	8	83	4.1
MONTANA	45	987	0.0	39	8	0.4
NAVAJO NATION	50	0	0.0	56	0	0.0
NEBRASKA	31	41,231	0.1	38	11	0.5
NEVADA	35	29,313	0.1	43	6	0.3
NEW HAMPSHIRE	50	0	0.0	51	1	0.0
NEW JERSEY	24	86,095	0.2	7	85	4.2
NEW MEXICO	22	189,509	0.5	37	15	0.7
NEW YORK	15	411,616	1.1	9	73	3.6
NORTH CAROLINA	38	15,674	0.0	5	100	4.9
NORTH DAKOTA	44	1,188	0.0	40	7	0.3
OHIO	3	1,739,368	4.6	13	52	2.6
OKLAHOMA	16	405,898	1.1	16	41	2.0
OREGON	33	32,150	0.1	40	7	0.3
PENNSYLVANIA	11	496,136	1.3	10	63	3.1
PUERTO RICO	27	70,188	0.2	21	28	1.4
RHODE ISLAND	41	3,840	0.0	48	3	0.1
SOUTH CAROLINA	19	302,472	0.8	32	22	1.1
SOUTH DAKOTA	50	0	0.0	50	2	0.1
TENNESSEE	17	403,094	1.1	19	30	1.5
TEXAS	1	17,371,102	46.0	2	135	6.7
TRUST TERRITORIES	48	524	0.0	51	1	0.0
UTAH	18	325,888	0.9	35	20	1.0
VERMONT	50	0	0.0	45	5	0.2
VIRGIN ISLANDS	47	659	0.0	51	1	0.0
VIRGINIA	29	47,737	0.1	18	32	1.6
WASHINGTON	28	49,157	0.1	19	30	1.5
WEST VIRGINIA	30	44,438	0.1	32	22	1.1
WISCONSIN	34	30,934	0.1	3	132	6.5
WYOMING	50	0	0.0	45	5	0.2
CBI DATA	N/A	0	N/A	N/A	1	N/A
TOTAL		37,723,129	100.0		2,025	100.0

[1]Quantity managed by storage only is excluded.

Note: Columns may not sum due to rounding.
Percentages do not include CBI data.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

Recovery operations accounted for 10% of the national non-wastewater management total. Recovery operations include:

Fuel Blending	1.5 million tons
Metals Recovery (for Reuse)	1.1 million tons
Solvents Recovery	617 thousand tons
Other Recovery	443 thousand tons

Thermal treatment accounted for 9% of the national non-wastewater management total. Thermal treatment units include:

Energy Recovery (for Reuse as Fuel)	1.7 million tons
Incineration	1.7 million tons

The remaining non-wastewater management quantities (5%) were managed in *other treatment and disposal units*, including:

Stabilization	1.4 million tons
Sludge Treatment	411 thousand tons
Other Disposal (Specified in Comments)	251 thousand tons

RCRA HAZARDOUS WASTE SHIPMENTS AND RECEIPTS

RCRA hazardous waste shipment information is obtained from data reported by both RCRA LQGs and RCRA TSDs. To help provide a more accurate picture of hazardous waste shipments in the United States, EPA requests specific shipment information. For each waste shipped, LQGs and TSDs are required to provide a waste description, the applicable Federal

Hazardous Waste Codes, the quantity of waste shipped, and the EPA Identification Number of the receiving facility. All RCRA non-wastewater shipments reported by RCRA LQGs and TSDs are included in the waste shipment quantities in this Report, even if the waste was shipped to a transfer facility. In some instances, waste is transferred within a physical location that has more than one EPA Identification Number. These waste transfers are treated as shipments.

RCRA hazardous waste receipt information is obtained from data reported by RCRA TSDs. To help provide a more accurate picture of hazardous waste receipts in the United States, EPA requests certain receipt information from TSDs. For each waste received, TSDs are required to provide a waste description, the applicable Federal Hazardous Waste Codes, the quantity of waste received, and the EPA Identification Number of the facility from which the waste was received. For each received waste which is subsequently managed, TSDs are required to provide the System Type Code which represents the management method used to manage the waste.

RCRA hazardous waste export quantities include wastes generated in one State and shipped to a receiver in a different State. Exports are calculated from information provided by waste shippers. RCRA hazardous waste imports include all wastes received by a State which differs from the State of origin. RCRA hazardous waste imports are calculated from information provided by RCRA TSDs.

In 1997, 18,029 shippers reported shipping 7.3 million tons of hazardous waste. When comparing the 1995 National Biennial Report with the 1997 Report, the number of shippers decreased by 2,468, and the quantity of waste shipped decreased by 3.3 million tons, a 31% decrease. Some of the decrease in the quantity of waste shipped may be attributable to the exclusion of wastewaters from the 1997 national biennial reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Changes to 1997 Biennial Reporting Requirements and the National Biennial Report Data Presented in this Report."

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

The wastewater exclusion will make cursory comparisons between the 1997 National Reports and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.3, 6.2 million tons of non-wastewater wastes were shipped in 1995; therefore, a more accurate picture of the change in national hazardous waste shipments between 1995 and 1997 is a decrease of 1.1 million tons or 15%.

Of the 7.3 million tons of RCRA hazardous waste shipped in 1997, 4.4 million tons of waste were **exported** from the State in which they were generated to other States. When comparing the 1995 National Biennial Report with the 1997 Report, the quantity of waste exported decreased by 924 thousand tons or 17%. Some of the decrease in the quantity of waste exported may be attributable to the exclusion of wastewaters from the 1997 national reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors.

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.5, 3.6 million tons of non-wastewater wastes were exported to other States in 1995; therefore, a more accurate picture of the change in national hazardous waste exports between 1995 and 1997 is an increase of 753 thousand tons or 17%.

In 1997, 543 TSDs reported receiving 8 million tons of RCRA hazardous waste. When comparing the 1995 National Biennial Report with the 1997 Report, the number of TSDs receiving waste decreased by 101, and the quantity of waste received decreased by 1.3 million tons or 14%. Some of the decrease in the quantity of waste received may be attributable to the exclusion of wastewaters from the 1997 national reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.4, 7.9 million tons of non-wastewater wastes were received in 1995; therefore, a more accurate picture of the change in national hazardous waste receipts between 1995 and 1997 is an increase of 87 thousand tons or 1%.

Of the 8 million tons of RCRA hazardous waste received in 1997, 4 million tons of waste were **imported** from other States. When comparing the 1995 National Biennial Report with the 1997 Report, the quantity of waste imported decreased by 1.9 million tons or 32%. Some of the decrease in the quantity of waste imported may be attributable to the exclusion of wastewaters from the 1997 national reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors.

The wastewater exclusion will make cursory comparisons between the 1997 National Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.5, 5.1 million tons of non-wastewater wastes were imported in 1995; therefore, a more accurate picture of the change in national hazardous waste imports between 1995 and 1997 is a decrease of 1.1 million tons or 22%.

WHERE TO OBTAIN ADDITIONAL INFORMATION

All volumes of *The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)* and the 1997 Biennial Reporting System (BRS) data files can be accessed via the Internet at http://www.epa.gov/epaoswer/hazwaste/data/#brs or purchased from the National Technical Information Service (NTIS) at (703) 487-4650.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

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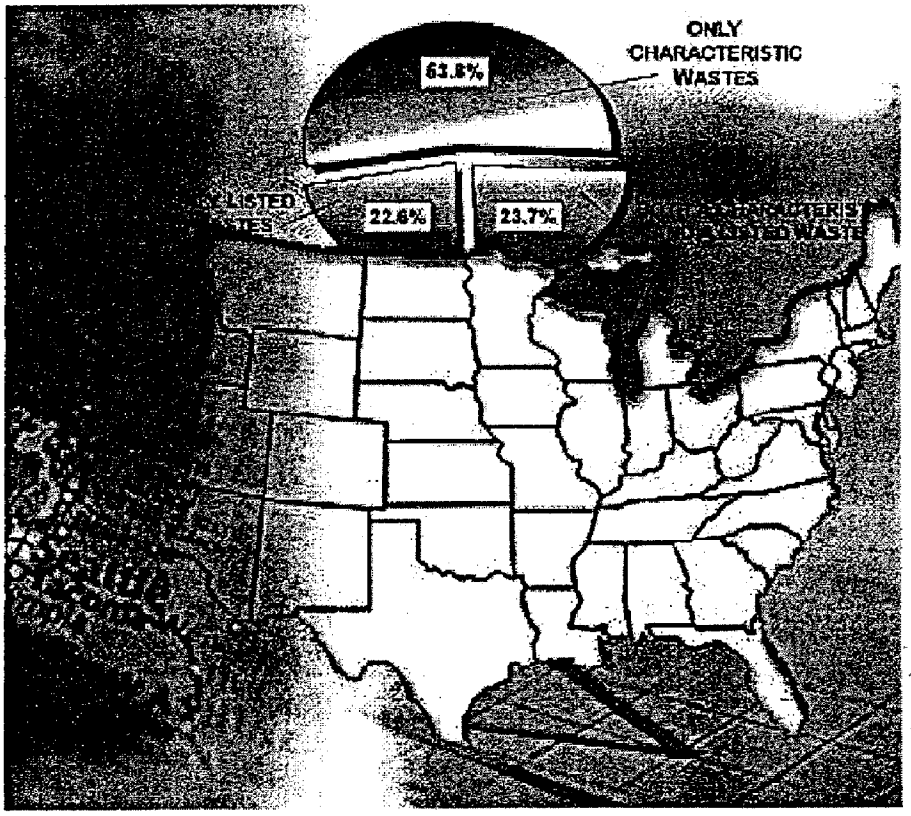
EPA State Summary Analysis

The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)



Printed on paper that contains at least
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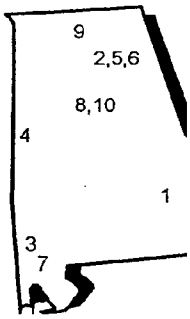
ALABAMA



1997 WASTE GENERATION

268	Total Number of RCRA Large Quantity Generators (LQGs)
423,968 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA I*
1	SANDERS LEAD COMPANY INC	TROY	172,034	ALD04648
2	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA	47,832	ALD07051
3	CIBA SPECIALTY CHEMICALS CORP	MCINTOSH	28,065	ALD00122
4	CHEMICAL WASTE MANAGEMENT, INC.	EMELLE	21,765	ALD00062
5	FISHER INDUSTRIAL SERVICE INC.	GLENCOE	15,726	ALD98102
6	GULF STATES STEEL	GADSDEN	14,110	ALD00401
7	ZENECA INC-COLD CREEK	BUCKS	11,498	ALD09568
8	SMI STEEL INC	BIRMINGHAM	10,473	ALD06712
9	TRICO STEEL COMPANY LLC	DECATUR	9,685	ALR00000
10	BIRMINGHAM STEEL CORPORATION	BIRMINGHAM	9,388	ALD00062
	TOTAL		**340,576**	

Top Ten Wastes Generated* : D001, D008, F003, D007, F005, D002, D006, D018, D035, D009

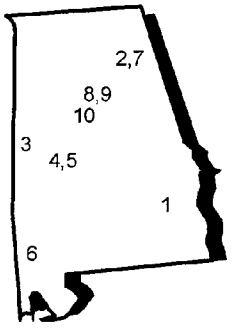
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Liste*	
Ignitable	10,968	F Waste	28,339		
Corrosive	685	K Waste	49,128		
Reactive	34	P Waste	138		
Toxic (D004-17)	193,785	U Waste	58		
Toxic (D018-43)	542				
Characteristic Mixed	12,968	Listed Mixed	579		
TOTAL	**218,982**	**TOTAL**	**78,241**	**TOTAL Char. & Listed**	**126**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier N Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



ALABAMA

1997 WASTE MANAGEMENT

44	Total Number of RCRA TSD Facilities
415,166 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	SANDERS LEAD COMPANY INC	TROY	141,200	ALD046481032
2	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA	93,205	ALD070513767
3	CHEMICAL WASTE MANAGEMENT, INC.	EMELLE	73,475	ALD000622464
4	MEDUSA-CITADEL INC	DEMOPOLIS	32,653	ALD983192402
5	SYSTECH ENVIRONMENTAL CORPORATION	DEMOPOLIS	31,538	ALD981019045
6	CIBA SPECIALTY CHEMICALS CORP	MCINTOSH	23,984	ALD001221902
7	FISHER INDUSTRIAL SERVICE INC.	GLENCOE	8,399	ALD981020894
8	ALLWORTH, INC/PHILIP ENV	BIRMINGHAM	5,154	ALD094476793
9	ACIPCO-AMERICAN CAST IRON PIPE COMPANY	BIRMINGHAM	2,000	ALD003397569
10	U.S. PIPE & FOUNDRY COMPANY INC	BESSEMER	1,918	ALD004017869
	TOTAL		**413,526**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, D035, D008, D007, D002, F002, D018, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Alabama were: fuel blending (133,059 tons); metals recovery - for reuse (126,066 tons); and stabilization (53,023 tons).

Alabama Imports/Exports (As reported by Alabama)

- The State that shipped the largest quantity of waste to Alabama was Georgia (58,766 tons).
- The State to which Alabama shipped the largest quantity of waste was Texas (36,043 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE GENERATION

50	Total Number of RCRA Large Quantity Generators (LQGs)
4,547 Tons	Total Quantity of RCRA Hazardous Waste Generated

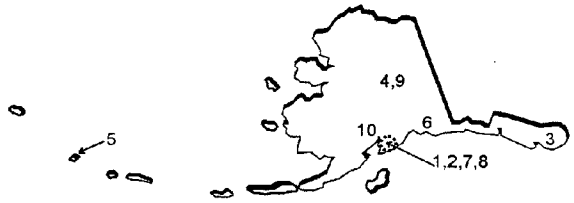


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	UNOCAL AG PRODUCTS KENAI PLANT	KENAI	2,166	AKD092876390
2	USAF WILDWOOD AFS	KENAI	822	AK0570000182
3	KETCHIKAN PULP CO.	KETCHIKAN	470	AKD009252230
4	USARMY FORT WAINWRIGHT	FORT WAINWRIGHT	181	AK6210022426
5	USNAVY CARETAKER SITE OFFICE ADAK	ADAK	151	AK4170024323
6	TAPS VALDEZ MARINE TERMINAL	VALDEZ	133	AKD052581758
7	USAF ELMENDORF AFB	ELMENDORF AFB	103	AK8570028649
8	TESORO ALASKA PETROLEUM CO KENAI REFINE	KENAI	99	AKD048679682
9	USAF EIELSON AFB	FAIRBANKS	84	AK1570028646
10	USARMY FORT RICHARDSON	FORT RICHARDSON	64	AK1210022157
	TOTAL		**4,273**	

Top Ten Wastes Generated* : D001, D018, D008, D007, D006, D035, F005, D002, D009, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	76	F Waste	66		
Corrosive	55	K Waste	34		
Reactive	107	P Waste	0		
Toxic (D004-17)	3,594	U Waste	15		
Toxic (D018-43)	207				
Characteristic Mixed	310	Listed Mixed	0		
TOTAL	**4,349**	**TOTAL**	**116**	**TOTAL Char. & Listed**	**78**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE MANAGEMENT

6	Total Number of RCRA TSD Facilities
449,486 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	TESORO ALASKA PETROLEUM CO KENAI REFINE	KENAI	449,479	AKD048679682
2	USAF ELMENDORF AFB	ELMENDORF AFB	7	AK8570028649
	TOTAL		**449,486**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D001, D008, D018, D035, F003, F005, F039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Alaska were: deepwell / underground injection (449,479 tons); other recovery (5 tons); and solvents recovery (2 tons).

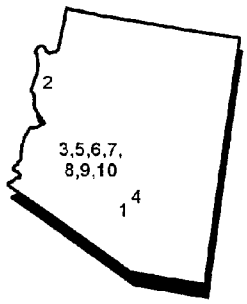
Alaska Imports/Exports (As reported by Alaska)

- Alaska did not receive RCRA hazardous wastes from any other State.
- The State to which Alaska shipped the largest quantity of waste was Washington (1,769 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA



1997 WASTE GENERATION

180	Total Number of RCRA Large Quantity Generators (LQGs)

53,031 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	RAYTHEON MISSILE SYSTEMS	TUCSON	29,482	AZD009005422
2	NORTH STAR STEEL AZ	KINGMAN	5,307	AZR000000604
3	TRW	MESA	2,668	AZD982491649
4	BHP COPPER	SAN MANUEL	1,270	AZD001886597
5	LAIDLAW	PHX	1,243	AZD049318009
6	GOULD ELECTRONICS	CHANDLER	1,042	AZD000625715
7	ADFLEX SOLUTIONS	CHANDLER	972	AZD983483488
8	CONTINENTAL CIRCUITS	PHX	789	AZD980896310
9	MOTOROLA	MESA	738	AZD043848050
10	MOTOROLA	PHX	560	AZD009004177
	TOTAL		**44,071**	

Top Ten Wastes Generated* : D001, D002, D008, F003, D007, D006, F005, D009, F002, D003

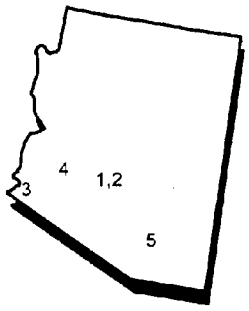
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	722	F Waste	32,310		
Corrosive	1,531	K Waste	7,175		
Reactive	167	P Waste	245		
Toxic (D004-17)	2,877	U Waste	50		
Toxic (D018-43)	790				
Characteristic Mixed	2,380	Listed Mixed	557		
TOTAL	**8,467**	**TOTAL**	**40,338**	**TOTAL Char. & Listed**	**4,203**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



ARIZONA

1997 WASTE MANAGEMENT

23	Total Number of RCRA TSD Facilities
4,218 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	ROMIC ENVIRONMENTAL TECHNOLOGIES	CHANDLER	3,017	AZD009015389
2	EARTH PROTECTION SVC	PHX	1,105	AZR000005454
3	U.S. ARMY YUMA PROV GRND	YUMA	92	AZ5213820991
4	PALO VERDE NUCLEAR GEN STA	WINTERSBURG	2	AZT000624429
5	DAVIS MONTHAN AFB	DAVIS MONTHAN AFB	2	AZ4570024055
	TOTAL		**4,218**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, D035, D008, F002, D007, D005, D009, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

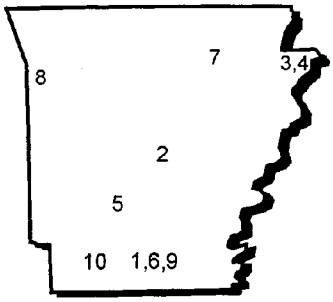
- The top three management methods used in Arizona were: solvents recovery (1,590 tons); fuel blending (1,417 tons); and metals recovery - for reuse (1,105 tons).

Arizona Imports/Exports (As reported by Arizona)

- The State that shipped the largest quantity of waste to Arizona was California (1,763 tons).
- The State to which Arizona shipped the largest quantity of waste was Colorado (29,274 tons).

NOTE: Columns may not sum due to rounding.

ARKANSAS



1997 WASTE GENERATION

206	Total Number of RCRA Large Quantity Generators (LQGs)
1,052,744 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GREAT LAKES CHEMICAL CORPORATION	EL DORADO	752,607	ARD043195429
2	RINECO	BENTON	71,787	ARD981057870
3	NUCOR YAMATO STEEL	BLYTHEVILLE	50,822	ARD981908890
4	NUCOR STEEL ARKANSAS	BLYTHEVILLE	49,868	ARD983278243
5	REYNOLDS METALS CO GUM SPRINGS PLANT	ARKADELPHIA	38,067	ARD006354161
6	ENSCO INC	EL DORADO	32,437	ARD069748192
7	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	15,260	ARD089234884
8	QUANEX MAXSTEEL DIVISION	FT SMITH	6,355	ARD053730701
9	GARRISON INDUSTRIES INC	EL DORADO	5,761	ARD983287889
10	ALBEMARLE CORPORATION SOUTH PLANT	MAGNOLIA	4,161	ARD052528809
	TOTAL		**1,027,125**	

Top Ten Wastes Generated* : D001, D002, D005, D004, D003, D006, D008, D007, D009, F003

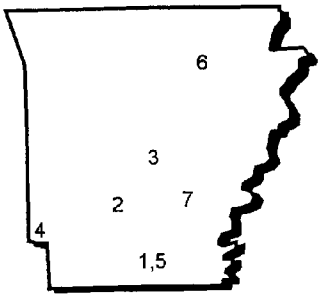
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	6,139	F Waste	4,094		
Corrosive	286	K Waste	149,706		
Reactive	1	P Waste	5		
Toxic (D004-17)	19,280	U Waste	112		
Toxic (D018-43)	6,232				
Characteristic Mixed	93,740	Listed Mixed	752,568		
TOTAL	**125,680**	**TOTAL**	**906,485**	**TOTAL Char. & Listed**	**20,579**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



ARKANSAS

1997 WASTE MANAGEMENT

23	Total Number of RCRA TSD Facilities
1,001,426 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	GREAT LAKES CHEMICAL CORPORATION	EL DORADO	750,900	ARD043195429
2	REYNOLDS METALS CO GUM SPRINGS PLANT	ARKADELPHIA	84,148	ARD006354161
3	RINECO	BENTON	59,383	ARD981057870
4	ASH GROVE CEMENT COMPANY FOREMAN PLANT	FOREMAN	52,611	ARD981512270
5	ENSCO INC	EL DORADO	38,462	ARD069748192
6	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	15,866	ARD089234884
7	US ARMY PINE BLUFF ARSENAL	PINE BLUFF	56	AR0213820707
	TOTAL		**1,001,426**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D002, F003, D007, F005, D008, D003, F002, D035, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

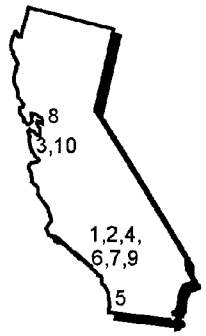
- The top three management methods used in Arkansas were: deepwell / underground injection (750,900 tons); incineration (89,432 tons); and energy recovery - reuse as fuel (65,448 tons).

Arkansas Imports/Exports (As reported by Arkansas)

- The State that shipped the largest quantity of waste to Arkansas was Texas (40,996 tons).
- The State to which Arkansas shipped the largest quantity of waste was Kansas (39,200 tons).

NOTE: Columns may not sum due to rounding.

CALIFORNIA



1997 WASTE GENERATION

1,782	Total Number of RCRA Large Quantity Generators (LQGs)
672,946 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	TYCO PRINTED CIRCUIT GROUP INC. LA DIVIS	INGLEWOOD	67,781	CAD008292005
2	SOUTH BAY CIRCUITS, INC. #3	SAN JOSE	65,819	CAD983601360
3	BKK LANDFILL	WEST COVINA	64,360	CAD067786749
4	NAVAL STATION SAN DIEGO	SAN DIEGO	61,569	CA6170024289
5	PHIBRO-TECH, INC.	SANTA FE SPRINGS	39,809	CAD008488025
6	ROMIC ENVIRONMENTAL TECHNOLOGIES, INC.	EAST PALO ALTO	24,271	CAD009452657
7	K & L ANODIZING CORP.	BURBANK	23,064	CAD008304594
8	QUEMETCO INC.	CITY OF INDUSTRY	22,312	CAD066233966
9	E. I. DU PONT DE NEMOURS & CO	ANTIOCH	19,499	CAD009151671
10	ENSCO WEST, INC.	WILMINGTON	11,573	CAD044429835
	TOTAL		**400,058**	

Top Ten Wastes Generated* : D001, F003, D002, D008, D007, F002, F005, D006, D035, F001

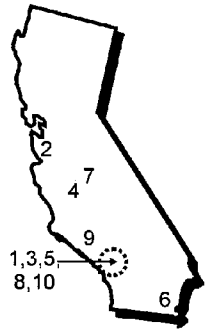
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	11,479	F Waste	197,116		
Corrosive	91,003	K Waste	9,404		
Reactive	503	P Waste	102		
Toxic (D004-17)	94,003	U Waste	1,615		
Toxic (D018-43)	65,169				
Characteristic Mixed	141,825	Listed Mixed	1,256		
TOTAL	**403,981**	**TOTAL**	**209,493**	**TOTAL Char. & Listed**	**59,329**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



CALIFORNIA

1997 WASTE MANAGEMENT

250	**Total Number of RCRA TSD Facilities**

1,160,627 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	ROMIC ENVIRONMENTAL TECHNOLOGIES, INC.	EAST PALO ALTO	701,508	CAD009452657
2	QUEMETCO INC.	CITY OF INDUSTRY	154,752	CAD066233966
3	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY	78,816	CAT000646117
4	BKK LANDFILL	WEST COVINA	64,022	CAD067786749
5	PHIBRO-TECH, INC.	SANTA FE SPRINGS	35,785	CAD008488025
6	LAIDLAW ENVIRONMENTAL SERVICES (IMPERIAL	WESTMORLAND	23,955	CAD000633164
7	SAFETY-KLEEN CORP.	REEDLEY	21,496	CAD093459485
8	D/K ENVIRONMENTAL	VERNON	17,175	CAT080033681
9	NATIONAL CEMENT CO.	LEBEC	16,021	CAD982444887
10	CHEMICAL WASTE MANAGEMENT - AZUSA	AZUSA	9,749	CAD008302903
	TOTAL		**1,123,279**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, D008, D002, D007, F002, D035, D005, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in California were: fuel blending (544,919 tons); solvents recovery (199,110 tons); and metals recovery - for reuse (194,726 tons).

California Imports/Exports (As reported by California)

- The State that shipped the largest quantity of waste to California was Washington (135,941 tons).
- The State to which California shipped the largest quantity of waste was Nevada (60,549 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE GENERATION

163	Total Number of RCRA Large Quantity Generators (LQGs)
82,021 Tons	Total Quantity of RCRA Hazardous Waste Generated

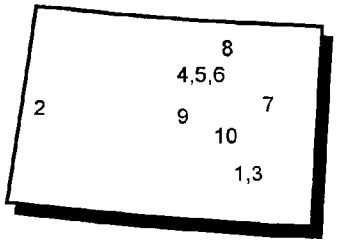


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	PUEBLO CHEMICAL DEPOT (PCD)	PUEBLO	20,153	CO8213820725
2	RIVER ROAD DIKE GJ-43895-CC	GRAND JUNCTION	19,092	COR000002071
3	ROCKY MOUNTAIN STEEL MILLS	PUEBLO	16,678	COD007057961
4	SYNTEX CHEMICALS, INC.	BOULDER,	6,026	COD076470525
5	DIETERICH STANDARD	BOULDER	2,232	COD005548037
6	NEXSTAR PHARMACEUTICALS INC.	BOULDER	2,187	COD983794132
7	LAIDLAW ENV SERVICES(DEER TRAIL) INC.	DEER TRAIL	1,284	COD991300484
8	MERIX CORPORATION - LOVELAND OPERATION	LOVELAND	1,221	COR000002816
9	ASARCO INC YAK TUNNEL WTP	LEADVILLE	967	COR000004002
10	NTI-DIVISION OF COLO SPRINGS CIRCU	COLORADO SPRINGS	809	COD097147987
	TOTAL		**70,650**	

Top Ten Wastes Generated* : D001, F003, F005, D002, D008, D007, F002, D006, D009, D005

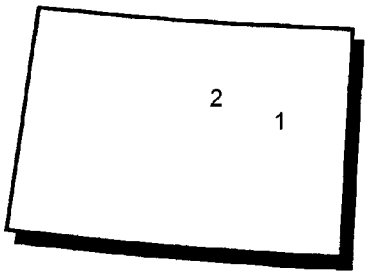
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	274	F Waste	5,875		
Corrosive	580	K Waste	16,684		
Reactive	315	P Waste	1		
Toxic (D004-17)	23,038	U Waste	18		
Toxic (D018-43)	20,156				
Characteristic Mixed	3,121	Listed Mixed	30		
TOTAL	**47,484**	**TOTAL**	**22,608**	**TOTAL Char. & Listed**	**11,893**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



COLORADO

1997 WASTE MANAGEMENT

22	Total Number of RCRA TSD Facilities
37,658 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	LAIDLAW ENV SERVICES(DEER TRAIL) INC.	DEER TRAIL	37,657	COD991300484
2	ROCKY FLATS PLANT - US DOE	GOLDEN	1	CO7890010526
	TOTAL		**37,658**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D008, D007, D006, D004, D010, D009, D005, D011, D002, F006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Colorado were: stabilization (25,406 tons); landfill (12,247 tons); and other disposal specified in comments (5 tons).

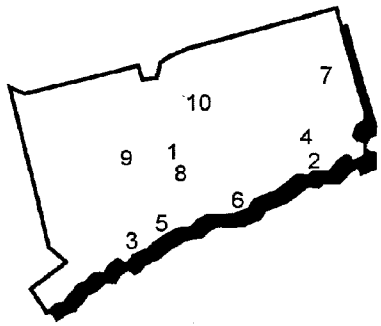
Colorado Imports/Exports (As reported by Colorado)

- The State that shipped the largest quantity of waste to Colorado was Arizona (27,370 tons).
- The State to which Colorado shipped the largest quantity of waste was Illinois (15,872 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT



1997 WASTE GENERATION

404	Total Number of RCRA Large Quantity Generators (LQGs)
60,219 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	UNITED OIL RECOVERY, INC.	MERIDEN	10,429	CTD021816889
2	PFIZER INC	GROTON	7,467	CTD001147495
3	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	6,022	CTD002593887
4	DOW CHEMICAL CO. ALLYNS POINT PLT	GALES FERRY	5,722	CTD001159730
5	FRAMATOME CONNECTORS U S A INC	MILFORD	3,339	CTD001453232
6	STANLEY BOSTITCH	CLINTON	3,335	CTD018631952
7	EXETER ENERGY LP	STERLING	1,501	CTR000004457
8	CYTEC INDUSTRIES	WALLINGFORD	1,104	CTD001173467
9	COYNE TEXTILE SERVICES	WATERBURY	901	CTD134204916
10	CONNECTICUT GALVANIZING CORP.	GLASTONBURY	791	CTD046233003
	TOTAL		**40,611**	

Top Ten Wastes Generated* : D001, D008, F003, D007, D002, F005, D006, F002, D009, D035

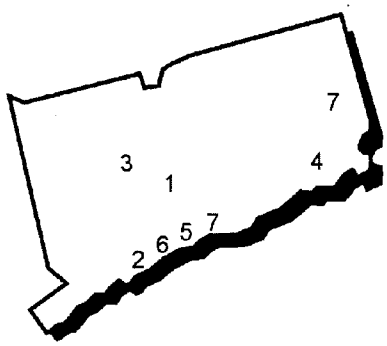
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	2,468	F Waste	6,764		
Corrosive	723	K Waste	21		
Reactive	156	P Waste	43		
Toxic (D004-17)	4,591	U Waste	136		
Toxic (D018-43)	4,061				
Characteristic Mixed	5,948	Listed Mixed	2		
TOTAL	**17,946**	**TOTAL**	**6,966**	**TOTAL Char. & Listed**	**35,281**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



CONNECTICUT

1997 WASTE MANAGEMENT

27	Total Number of RCRA TSD Facilities
26,680 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	UNITED OIL RECOVERY, INC.	MERIDEN	18,068	CTD021816889
2	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	6,693	CTD002593887
3	CLEAN HARBORS OF CONNECTICUT, INC.	BRISTOL	1,214	CTD000604488
4	DOW CHEMICAL CO. ALLYNS POINT PLT	GALES FERRY	698	CTD001159730
5	ENTHONE-OMI INC.	WEST HAVEN	3	CTD001169010
6	BIC CORP	MILFORD	2	CTD001166586
7	SAFETY-KLEEN CORP.	PLAINFIELD	1	CTD001156009
7	SAFETY-KLEEN CORP	BRANFORD	1	CTD980667927
	TOTAL		**26,680**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : F003, D001, F005, F002, D008, D039, D035, D007, D006, D040

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Connecticut were: fuel blending (24,765 tons); stabilization (1,211 tons); and energy recovery - reuse as fuel (700 tons).

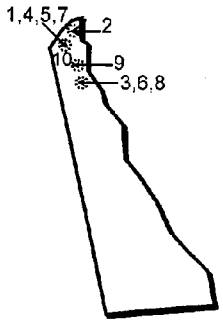
Connecticut Imports/Exports (As reported by Connecticut)

- The State that shipped the largest quantity of waste to Connecticut was Massachusetts (4,954 tons).
- The State to which Connecticut shipped the largest quantity of waste was New York (21,158 tons).

NOTE: Columns may not sum due to rounding.
CBI Data has been excluded from the State Summary Volume.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE



1997 WASTE GENERATION

66	Total Number of RCRA Large Quantity Generators (LQGs)
19,353 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CIBA-GEIGY CORP, PIGMENTS DEPT	NEWPORT	7,110	DED980830400
2	CITISTEEL USA INC	CLAYMONT	4,865	DED002276764
3	OCCIDENTAL CHEMICAL CORPORATION	DELAWARE CITY	1,241	DED003913266
4	DUPONT - EXP. STATION	WILMINGTON	1,058	DED003930807
5	GM ASSEMBLY DIVISION	WILMINGTON	940	DED002369205
6	STAR ENTERPRISE	DELAWARE CITY	839	DED002329738
7	NORAMCO OF DELAWARE	WILMINGTON	507	DED085693646
8	STANDARD CHLORINE OF DELAWARE	DELAWARE CITY	505	DED041212473
9	PRINTPACK	NEW CASTLE	436	DED069876795
10	CHRYSLER CORPORATION	NEWARK	232	DED002357408
	TOTAL		**17,733**	

Top Ten Wastes Generated* : LABP, D001, F003, F002, F005, D002, D022, U002, D018, D008

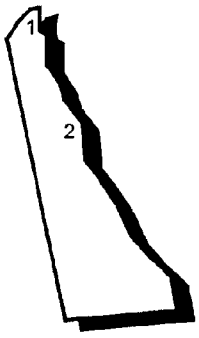
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	4,371	F Waste	1,643		
Corrosive	106	K Waste	1,441		
Reactive	1	P Waste	3		
Toxic (D004-17)	3,844	U Waste	59		
Toxic (D018-43)	67				
Characteristic Mixed	668	Listed Mixed	22		
TOTAL	**9,058**	**TOTAL**	**3,168**	**TOTAL Char. & Listed**	**7,108**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



DELAWARE

1997 WASTE MANAGEMENT

4	Total Number of RCRA TSD Facilities
2,131 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	DUPONT - EXP. STATION	WILMINGTON	2,131	DED003930807
2	DOVER AIR FORCE BASE	DOVER	0	DE8570024010
	TOTAL		**2,131**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : LABP, D001, F003, F005, F002, D002, D022, U002, D003, U154

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Management Methods

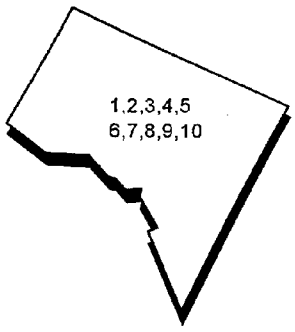
- The top management methods used in Delaware were: incineration (2,131 tons) and solvents recovery (0 tons).

Delaware Imports/Exports (As reported by Delaware)

- The State that shipped the largest quantity of waste to Delaware was New Jersey (1,004 tons).
- The State to which Delaware shipped the largest quantity of waste was Pennsylvania (5,041 tons).

NOTE: Columns may not sum due to rounding.

DISTRICT OF COLUMBIA



1997 WASTE GENERATION

20	Total Number of RCRA Large Quantity Generators (LQGs)

499 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	U S BUREAU OF ENGRAVING AND PRINTING	WASHINGTON	132	DC2200907812
2	PEPCO BENNING ROAD GENERATING STATION	WASHINGTON	84	DCD000819516
3	HQ NAVAL DISTRICT WASHINGTON	WASHINGTON	52	DC9170024310
4	WASHINGTON GAS LIGHT CO	WASHINGTON	28	DCD077797793
5	WASHINGTON POST NEWSPAPER-SOUTHEAST PLT	WASHINGTON	27	DCD003238193
6	US WASHINGTON ADUEDUCT DIVISION	WASHINGTON	26	DC1960000908
7	WALTER REED ARMY MEDICAL CENTER	WASHINGTON	23	DC4210021156
8	GEORGETOWN UNIVERSITY	WASHINGTON	20	DCD049515844
9	NAVAL RESEARCH LABORATORY	WASHINGTON	17	DC8170024311
10	WASHINGTON POST NEWSPAPER THE	WASHINGTON	16	DCD003245768
	TOTAL		**426**	

Top Ten Wastes Generated* : D001, D008, D002, F003, D007, F005, D009, D006, F002, D018

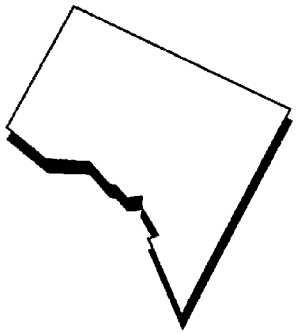
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	86	F Waste	8		
Corrosive	7	K Waste	0		
Reactive	0	P Waste	0		
Toxic (D004-17)	170	U Waste	1		
Toxic (D018-43)	29				
Characteristic Mixed	39	Listed Mixed	0		
TOTAL	**330**	**TOTAL**	**9**	**TOTAL Char. & Listed**	**157**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



DISTRICT OF COLUMBIA

1997 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in District of Columbia that reported managing (treating or disposing) RCRA hazardous waste.

* Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

District of Columbia Imports/Exports (As reported by District of Columbia)

- District of Columbia did not receive RCRA hazardous wastes from any other State.
- The State to which District of Columbia shipped the largest quantity of waste was South Carolina (175 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

FLORIDA

1997 WASTE GENERATION

378	Total Number of RCRA Large Quantity Generators (LQGs)
398,535 Tons	Total Quantity of RCRA Hazardous Waste Generated

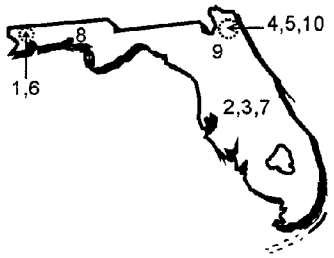


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	SOLUTIA INC	GONZALEZ	175,146	FLD071951966
2	KAISER ALUMINUM & CHEMICAL CORP	MULBERRY	120,009	FLD004106811
3	GULF COAST RECYCLING, INC.	TAMPA	26,319	FLD004092839
4	FMC CORPORATION	JACKSONVILLE	24,894	FLD000645481
5	AMERISTEEL; JACKSONVILLE MILL	BALDWIN	10,516	FLD083812537
6	AIR PRODUCTS AND CHEMICALS, INC/ESCAMBIA	PACE	7,554	FLD008155673
7	LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW	BARTOW	5,387	FLD980729610
8	ARIZONA CHEMICAL	PANAMA CITY	3,680	FLD004065926
9	PERMA FIX OF FLORIDA	GAINESVILLE	3,479	FLD980711071
10	NAVAL AIR STATION JACKSONVILLE	JACKSONVILLE	1,932	FL6170024412
	TOTAL		**378,916**	

Top Ten Wastes Generated* : D001, D008, F003, D007, F005, D006, D002, F002, D035, D018

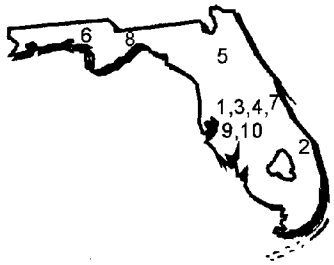
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	9,401	F Waste	3,095		
Corrosive	175,984	K Waste	10,995		
Reactive	14	P Waste	56		
Toxic (D004-17)	7,559	U Waste	127		
Toxic (D018-43)	202				
Characteristic Mixed	146,552	Listed Mixed	49		
TOTAL	**339,712**	**TOTAL**	**14,322**	**TOTAL Char. & Listed**	**44,483**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



FLORIDA

1997 WASTE MANAGEMENT

46	Total Number of RCRA TSD Facilities
207,560 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	KAISER ALUMINUM & CHEMICAL CORP	MULBERRY	120,009	FLD004106811
2	UTC, PRATT & WHITNEY	JUPITER	55,897	FLD001447952
3	GULF COAST RECYCLING, INC.	TAMPA	23,811	FLD004092839
4	LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW	BARTOW	4,067	FLD980729610
5	PERMA FIX OF FLORIDA	GAINESVILLE	2,405	FLD980711071
6	ARIZONA CHEMICAL	PANAMA CITY	948	FLD004065926
7	MERCURY TECHNOLOGIES INTERNATIONAL AND	WEST MELBOURNE	321	FLD984262782
8	RECYCLIGHTS, INC.	TALLAHASSEE	59	FL0000207449
9	P-3 INC	TAMPA	22	FL0000904300
10	MASTER PACKAGING, INC	TAMPA	17	FLD982106429
	TOTAL		**207,556**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, D009, F002, D035, D008, D018, D007, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

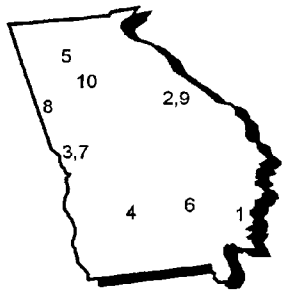
- The top three management methods used in Florida were: deepwell / underground injection (175,906 tons); metals recovery - for reuse (23,458 tons); and fuel blending (5,830 tons).

Florida Imports/Exports (As reported by Florida)

- The State that shipped the largest quantity of waste to Florida was Georgia (1,684 tons).
- The State to which Florida shipped the largest quantity of waste was Michigan (27,287 tons).

NOTE: Columns may not sum due to rounding.

GEORGIA



1997 WASTE GENERATION

405	Total Number of RCRA Large Quantity Generators (LQGs)
275,096 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GA EPD/ESCAMBIA TREATING COMPANY	BRUNSWICK	128,036	GAD050766401
2	NUTRASWEET	AUGUSTA	25,860	GAD981237118
3	GNB TECHNOLOGIES, INC.	COLUMBUS	12,210	GAD070330576
4	MERCK & CO, INC.	ALBANY	11,806	GAD003324985
5	BIRMINGHAM SOUTHEAST	CARTERSVILLE	11,663	GAD030059182
6	INTERMETRO INDUSTRIES CORP.	DOUGLAS	8,457	GAD980842975
7	US ARMY INFANTRY CENTER	FORT BENNING	6,152	GA3210020084
8	SOUTHWIRE COPPER DIVISION	CARROLLTON	4,342	GAD000814541
9	SEARLE	AUGUSTA	4,175	GAD039046800
10	ADVANCED ENV TECHNICAL SERVICES DBA CWM	MORROW	3,921	GAD096629282
	TOTAL		**216,621**	

Top Ten Wastes Generated* : F003, D001, F005, F002, D007, D008, D035, D006, D018, F001

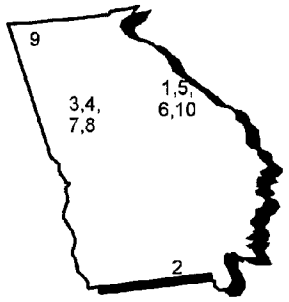
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	7,193	F Waste	140,446		
Corrosive	1,111	K Waste	13,323		
Reactive	6	P Waste	209		
Toxic (D004-17)	33,232	U Waste	461		
Toxic (D018-43)	1,278				
Characteristic Mixed	35,642	Listed Mixed	1,081		
TOTAL	**78,461**	**TOTAL**	**155,520**	**TOTAL Char. & Listed**	**41,096**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



GEORGIA

1997 WASTE MANAGEMENT

55	Total Number of RCRA TSD Facilities
72,558 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	NUTRASWEET	AUGUSTA	25,851	GAD981237118
2	CHEMICAL CONSERVATION OF GA INC	VALDOSTA	25,845	GAD093380814
3	MCF SYSTEMS ATLANTA INC	DECATUR	4,086	GAD981269095
4	ADVANCED ENV TECHNICAL SERVICES DBA CWM	MORROW	3,736	GAD096629282
5	SEARLE	AUGUSTA	3,238	GAD039046800
6	DSM CHEMICALS NORTH AMERICA, INC.	AUGUSTA	2,833	GAD051011609
7	MCWHORTER TECHNOLOGIES, INC.	FOREST PARK	2,144	GAD084823301
8	LOCKHEED MARTIN AERONAUTICAL SYSTEMS	MARIETTA	1,782	GA8570024606
9	TRI-STATE STEEL DRUM INC	GRAYSVILLE	1,460	GAD033842543
10	ALTERNATE ENERGY RESOURCES, INC.	AUGUSTA	718	GAD033582461
	TOTAL		**71,694**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : F003, D001, F002, D039, F005, F001, D035, D007, D018, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Georgia were: fuel blending (31,071 tons); energy recovery - reuse as fuel (28,685 tons); and incineration (5,381 tons).

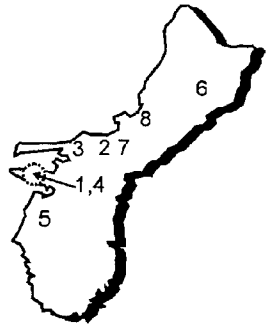
Georgia Imports/Exports (As reported by Georgia)

- The State that shipped the largest quantity of waste to Georgia was Florida (5,366 tons).
- The State to which Georgia shipped the largest quantity of waste was South Carolina (128,339 tons).

NOTE: Columns may not sum due to rounding.
CBI Data has been excluded from the State Summary Volume.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM



1997 WASTE GENERATION

8	Total Number of RCRA Large Quantity Generators (LQGs)

412 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	US FLEET INDUSTRIAL SUPPLY CENTER	FPO	158	GU4170090027
2	USNAVY PUBLIC WORKS CENTER, GUAM	COMNAVMAR	104	GU5170022680
3	USNAVY PUBLIC WORKS GUAM	PITI	53	GU4170090001
4	USNAVY NAVAL SHIP REPAIR FACILITY, GUAM	SUMAY	41	GU4170027334
5	USNAVY COMMANDER NAVAL FORCES	SANTA RITA	28	GU7170027323
6	USAF ANDERSEN AIR FORCE BASE	YIGO	24	GU6571999519
7	USNAVY NCTAMS WESTPAC	101 FPO AP	4	GU0170090021
8	GUAM MEMORIAL HOSPITAL AUTHORITY	TAMUNING	0	GUD982469462
	TOTAL		**412**	

Top Ten Wastes Generated* : D001, D008, D007, D005, D035, D006, D002, D009, D003, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	174	F Waste	21		
Corrosive	4	K Waste	0		
Reactive	1	P Waste	0		
Toxic (D004-17)	108	U Waste	6		
Toxic (D018-43)	3				
Characteristic Mixed	88	Listed Mixed	0		
TOTAL	**378**	**TOTAL**	**27**	**TOTAL Char. & Listed**	**7**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM

1997 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in Guam that reported managing (treating or disposing) RCRA hazardous waste.

* Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

Guam Imports/Exports (As reported by Guam)

- Guam did not receive RCRA hazardous wastes from any other State.
- The State to which Guam shipped the largest quantity of waste was Washington (13 tons).

NOTE: Columns may not sum due to rounding.

HAWAII

1997 WASTE GENERATION

41	Total Number of RCRA Large Quantity Generators (LQGs)
7,241 Tons	Total Quantity of RCRA Hazardous Waste Generated

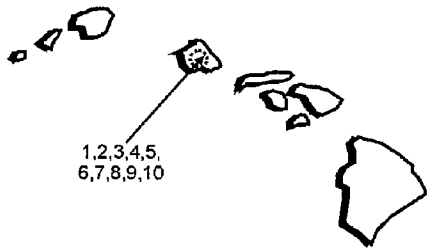


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GAS CO THE	KAPOLEI	6,249	HID066272360
2	BHP PETROLEUM AMERICAS REFINING INC	KAPOLEI	279	HID056786395
3	USNAVY NAVAL MAGAZINE LUALUALEI	EWA BEACH	115	HI9170090006
4	CHEVRON PRODUCTS CO. - HAWAII REFINERY	KAPOLEI	92	HIT160010005
5	USNAVY SUBASE PEARL HARBOR	PEARL HARBOR	62	HI3170024340
6	USMC COMMANDING GENERAL LEHH KANEOHE BAY	KANEOHE BAY	56	HI6170022762
7	USNAVY FLEET AND INDUSTRIAL SUPPLY CTR	PEARL HARBOR	51	HI4170090001
8	USNAVY PEARL HARBOR SHIPYARD	PEARL HARBOR	48	HI6170024339
9	USAF - HICKAM AFB HI	HICKAM AFB	37	HI8570028722
10	USNAVY PWC PEARL FORD ISLAND/RICHARDSON	PEARL HARBOR	35	HI0000449199
	TOTAL		**7,024**	

Top Ten Wastes Generated* : D001, D008, D007, D002, D006, D009, D035, D005, D018, F003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	80	F Waste	93		
Corrosive	6,253	K Waste	74		
Reactive	0	P Waste	0		
Toxic (D004-17)	259	U Waste	0		
Toxic (D018-43)	184				
Characteristic Mixed	266	Listed Mixed	0		
TOTAL	**7,041**	**TOTAL**	**167**	**TOTAL Char. & Listed**	**33**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE MANAGEMENT

3	Total Number of RCRA TSD Facilities
99 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Manager and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	UNITEK ENVIRONMENTAL SERVICES, INC.	KAPOLEI	99	HIT000603514
	TOTAL		**99**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D001, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Management Method

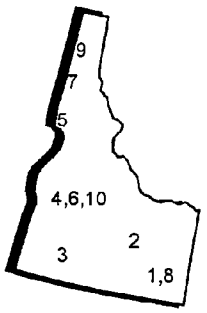
- The top management method used in Hawaii was solvents recovery (99 tons).

Hawaii Imports/Exports (As reported by Hawaii)

- The State that shipped the largest quantity of waste to Hawaii was Trust Territories (22 tons).
- The State to which Hawaii shipped the largest quantity of waste was Kansas (1,273 tons).

NOTE: Columns may not sum due to rounding.

IDAHO



1997 WASTE GENERATION

48	Total Number of RCRA Large Quantity Generators (LQGs)
1,014,825 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	FMC CORP PHOSPHORUS CHEMICALS	POCATELLO	1,010,394	IDD070929518
2	US DOE ID NATIONAL ENVIRO & ENGINEERING	SCOVILLE	1,005	ID4890008952
3	ENVIROSAFE SERVICES OF IDAHO, INC SITE B	GRAND VIEW	675	IDD073114654
4	MICRON TECHNOLOGY, INC.	BOISE	661	IDD093120871
5	BLOUNT INC-SEG-CCI OPERATION	LEWISTON	556	IDD009066481
6	WAREMART CONSTRUCTION	BOISE	450	IDR000002295
7	HARPERS INC	POST FALLS	341	ID0000285106
8	AMERICAN MICROSYSTEMS LOC INC	POCATELLO	158	IDD053798104
9	ADVANCED INPUT DEVICES-PRIEST RIVER	PRIEST RIVER	98	IDD980835995
10	ZILOG INC. - NB1	NAMPA	80	IDD097762231
	TOTAL		**1,014,416**	

Top Ten Wastes Generated* : D001, D008, D007, D002, F003, D006, D009, D018, D004, F005

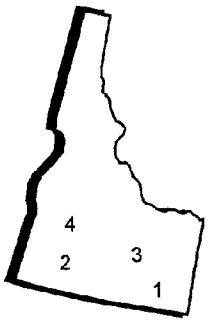
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	166	F Waste	1,219		
Corrosive	30	K Waste	65		
Reactive	619,674	P Waste	59		
Toxic (D004-17)	543	U Waste	14		
Toxic (D018-43)	29				
Characteristic Mixed	391,155	Listed Mixed	2		
TOTAL	**1,011,598**	**TOTAL**	**1,359**	**TOTAL Char. & Listed**	**1,866**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



IDAHO

1997 WASTE MANAGEMENT

7	Total Number of RCRA TSD Facilities
1,093,366 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	FMC CORP PHOSPHORUS CHEMICALS	POCATELLO	1,010,329	IDD070929518
2	ENVIROSAFE SERVICES OF IDAHO, INC SITE B	GRAND VIEW	83,014	IDD073114654
3	US DOE ID NATIONAL ENVIRO & ENGINEERING	SCOVILLE	23	ID4890008952
4	BOISE LOCOMOTIVE COMPANY	BOISE	1	IDD980976831
	TOTAL		**1,093,366**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D008, D007, D006, D002, F006, D005, D004, D009, F032, F034

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Idaho were: surface impoundment (1,011,613 tons); stabilization (79,436 tons); and landfill (2,298 tons).

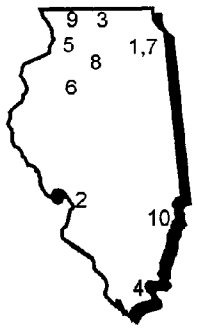
Idaho Imports/Exports (As reported by Idaho)

- The State that shipped the largest quantity of waste to Idaho was Arkansas (28,725 tons).
- The State to which Idaho shipped the largest quantity of waste was Colorado (685 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ILLINOIS



1997 WASTE GENERATION

1,058	Total Number of RCRA Large Quantity Generators (LQGs)
2,201,025 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MOBIL OIL CORP	JOLIET	1,015,073	ILD064403199
2	EQUILON ENTERPRISES	ROXANA	283,807	ILD080012305
3	US FILTER/IWT	ROCKFORD	143,306	ILD005119839
4	ALLIED-SIGNAL INC	METROPOLIS	102,747	ILD006278170
5	NORTHWESTERN STEEL & WIRE #2	STERLING	80,738	ILD005263157
6	PEORIA DISPOSAL CO INC	PEORIA	74,805	ILD000805812
7	CATERPILLAR INC	JOLIET	55,605	ILD005070537
8	LTV STEEL CO	HENNEPIN	43,738	ILD000781591
9	MODERN PLATING CORP-PLANT 2	FREEPORT	26,506	ILD005172325
10	AIRTEX PRODUCTS	FAIRFIELD	26,090	ILD001662816
	TOTAL		**1,852,416**	

Top Ten Wastes Generated* : D001, F003, D008, D002, D007, F005, D006, D018, F002, D035

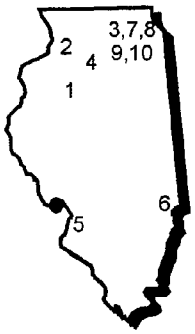
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	19,999	F Waste	43,479		
Corrosive	431,985	K Waste	207,268		
Reactive	15,211	P Waste	537		
Toxic (D004-17)	154,556	U Waste	780		
Toxic (D018-43)	13,564				
Characteristic Mixed	1,145,189	Listed Mixed	13,961		
TOTAL	**1,780,503**	**TOTAL**	**266,025**	**TOTAL Char. & Listed**	**154,142**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



ILLINOIS

1997 WASTE MANAGEMENT

86	Total Number of RCRA TSD Facilities
445,728 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	PEORIA DISPOSAL CO INC	PEORIA	150,921	ILD000805812
2	NORTHWESTERN STEEL & WIRE #2	STERLING	80,409	ILD005263157
3	SAFETY-KLEEN ENVIRONSYSTEMS CO	DOLTON	76,555	ILD980613913
4	LTV STEEL CO	HENNEPIN	43,310	ILD000781591
5	TRADE WASTE INCINERATION INC	SAUGET	26,069	ILD098642424
6	MARATHON ASHLAND PETROLEUM LLC	ROBINSON	20,291	ILD005476882
7	HERITAGE ENVIRONMENTAL SERVICE	LEMONT	16,347	ILD085349264
8	CLEAN HARBORS SVCS INC	CHICAGO	12,859	ILD000608471
9	SAFETY-KLEEN CORP	CHICAGO	8,508	ILD005450697
10	BEAVER OIL CO INC	HODGKINS	4,681	ILD064418353
	TOTAL		**439,951**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, D018, D008, D006, D039, D040, D007, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Illinois were: stabilization (137,475 tons); landfill (94,267 tons); and fuel blending (77,927 tons).

Illinois Imports/Exports (As reported by Illinois)

- The State that shipped the largest quantity of waste to Illinois was Arkansas (16,987 tons).
- The State to which Illinois shipped the largest quantity of waste was Indiana (50,379 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 WASTE GENERATION

633	Total Number of RCRA Large Quantity Generators (LQGs)
1,077,410 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	BETHLEHEM STEEL CORP	CHESTERTON	350,220	IND003913423
2	AMOCO OIL CO WHITING LAKEFRONT	WHITING	139,455	IND000810861
3	ELI LILLY & CO TIPPECANOE LABS	SHADELAND	81,793	IND006050967
4	HERITAGE ENVIRONMENTAL SERVICES	INDIANAPOLIS	80,558	IND093219012
5	MIDWEST STEEL DIV	PORTAGE	76,858	IND016584641
6	GENERAL BATTERY/EXIDE CORP	MUNCIE	50,843	IND000717959
7	NUCOR STEEL	CRAWFORDSVILLE	42,711	IND181157009
8	STEEL DYNAMICS INC	BUTLER	34,754	INR000001099
9	GENERAL ELECTRIC CO	MT VERNON	23,500	IND006376362
10	ELI LILLY & CO CLINTON LABS	CLINTON	18,324	IND072040348
	TOTAL		**899,016**	

Top Ten Wastes Generated* : D001, F003, F005, D008, D007, D002, D018, D006, F002, D009

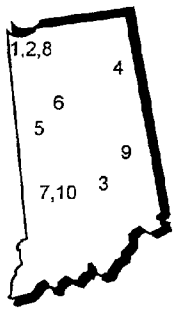
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	84,538	F Waste	134,484		
Corrosive	2,937	K Waste	210,289		
Reactive	17	P Waste	7		
Toxic (D004-17)	82,159	U Waste	5,358		
Toxic (D018-43)	6,202				
Characteristic Mixed	350,928	Listed Mixed	6,034		
TOTAL	**526,781**	**TOTAL**	**356,171**	**TOTAL Char. & Listed**	**194,240**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



INDIANA

1997 WASTE MANAGEMENT

40	Total Number of RCRA TSD Facilities
1,357,777 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	BETHLEHEM STEEL CORP	CHESTERTON	349,765	IND003913423
2	AMOCO OIL CO WHITING LAKEFRONT	WHITING	137,252	IND000810861
3	QUEMETCO	INDIANAPOLIS	127,699	IND000199653
4	CHEMICAL WASTE MANAGEMENT OF INDIANA LLC	FORT WAYNE	126,203	IND078911146
5	ELI LILLY & CO TIPPECANOE LABS	SHADELAND	92,581	IND006050967
6	ESSROC CEMENT CORP	LOGANSPORT	87,584	IND005081542
7	HERITAGE ENVIRONMENTAL SVC INC	ROACHDALE	80,558	IND980503890
8	MIDWEST STEEL DIV	PORTAGE	76,761	IND016584641
9	GENERAL BATTERY/EXIDE CORP	MUNCIE	57,702	IND000717959
10	LONE STAR INDUSTRIES INC	GREENCASTLE	57,284	IND006419212
	TOTAL		**1,193,387**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, F002, D035, D008, LABP, D007, D006, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Indiana were: deepwell / underground injection (409,655 tons); energy recovery - reuse as fuel (194,858 tons); and metals recovery - for reuse (182,003 tons).

Indiana Imports/Exports (As reported by Indiana)

- The State that shipped the largest quantity of waste to Indiana was Illinois (69,418 tons).
- The State to which Indiana shipped the largest quantity of waste was Ohio (30,851 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA

1997 WASTE GENERATION

182	Total Number of RCRA Large Quantity Generators (LQGs)
33,681 Tons	Total Quantity of RCRA Hazardous Waste Generated

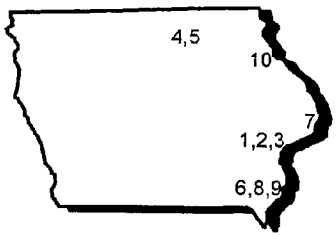


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NORTH STAR STEEL IOWA	WILTON	5,283	IAD000223354
2	IPSCO STEEL INC	MUSCATINE	3,068	IAR000000216
3	MONSANTO CO	MUSCATINE	2,744	IAD005273594
4	FORT DODGE ANIMAL HEALTH	CHARLES CITY	2,366	IAD005275540
5	SALSBURY CHEMICALS INC	CHARLES CITY	2,354	IAD984591891
6	DU PONT E I DE NEMOURS & CO INC	FORT MADISON	2,020	IAD005272398
7	EQUISTAR CHEMICALS LP	CLINTON	1,807	IAD045372836
8	3M KNOXVILLE	SAINT PAUL	1,110	IAD075846824
9	COOPER AUTOMOTIVE CO	BURLINGTON	868	IAD000805143
10	EXIDE/GENERAL BATTERY	MANCHESTER	864	IAD069619765
	TOTAL		**22,484**	

Top Ten Wastes Generated* : D001, F003, F005, D002, D008, F002, D022, D009, D007, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

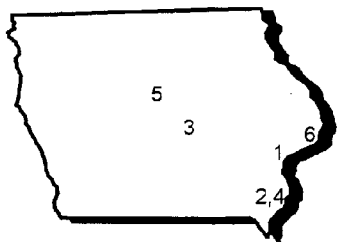
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	2,381	F Waste	1,345		
Corrosive	439	K Waste	9,936		
Reactive	106	P Waste	218		
Toxic (D004-17)	6,727	U Waste	140		
Toxic (D018-43)	2,022				
Characteristic Mixed	4,367	Listed Mixed	1		
TOTAL	**16,042**	**TOTAL**	**11,640**	**TOTAL Char. & Listed**	**6,000**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA



1997 WASTE MANAGEMENT

28	Total Number of RCRA TSD Facilities
3,349 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	MONSANTO CO	MUSCATINE	2,592	IAD005273594
2	DU PONT E I DE NEMOURS & CO INC	FORT MADISON	610	IAD005272398
3	PELLA CORP	PELLA	127	IAD005278502
4	IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	19	IA7213820445
5	I S U - CHEMICAL WASTE HANDLING FACILITY	AMES	1	IAT200010601
6	BRAMMER MFG CO	DAVENPORT	0	IAD005264940
	TOTAL		**3,349**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, D003, D007, D035, F005, D030, D002, D005, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Iowa were: incineration (2,604 tons); solvents recovery (739 tons); and metals recovery - for reuse (7 tons).

Iowa Imports/Exports (As reported by Iowa)

- The State that shipped the largest quantity of waste to Iowa was Illinois (218 tons).
- The State to which Iowa shipped the largest quantity of waste was Ohio (53,054 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KANSAS

1997 WASTE GENERATION

215	Total Number of RCRA Large Quantity Generators (LQGs)
1,333,169 Tons	Total Quantity of RCRA Hazardous Waste Generated

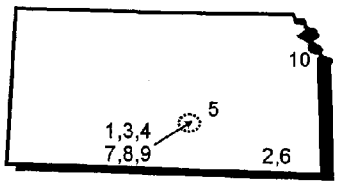


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	VULCAN MATERIALS CO	WICHITA	1,285,739	KSD007482029
2	LAIDLAW ENVIRONMENTAL SERVICES ARAGON	COFFEYVILLE	11,421	KSD981506025
3	ELF ATOCHEM N AMERICA INC	WICHITA	10,076	KSD007249980
4	THE BOEING CO - WICHITA	WICHITA	5,960	KSD007237241
5	TEXACO REFINING AND MARKETING INC	EL DORADO	1,798	KSD007233422
6	FARMLAND INDUSTRIES INC	COFFEYVILLE	1,411	KSD007138605
7	RAYTHEON AIRCRAFT CO	WICHITA	1,335	KSD007482011
8	SHERWIN-WILLIAMS	ANDOVER	1,271	KSD056577810
9	AIR PRODUCTS MFG CORP	WICHITA	1,137	KSD007237746
10	SOMMER ALLIBERT KANSAS CITY PLT	KANSAS CITY	927	KSD981713522
	TOTAL		**1,321,075**	

Top Ten Wastes Generated* : D001, D008, D007, F003, D006, D018, F005, D002, D009, D039

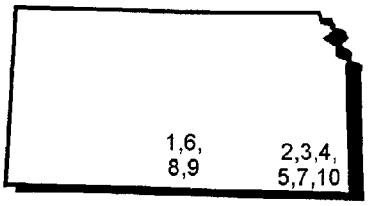
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	706	F Waste	4,106		
Corrosive	499	K Waste	1,506		
Reactive	54	P Waste	1		
Toxic (D004-17)	2,859	U Waste	566		
Toxic (D018-43)	745				
Characteristic Mixed	12,645	Listed Mixed	1,645		
TOTAL	**17,507**	**TOTAL**	**7,824**	**TOTAL Char. & Listed**	**1,307,805**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



KANSAS

1997 WASTE MANAGEMENT

24	Total Number of RCRA TSD Facilities

1,558,943 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	VULCAN MATERIALS CO	WICHITA	1,437,349	KSD007482029
2	SYSTECH ENVIRONMENTAL CORP	FREDONIA	55,196	KSD980633259
3	ASH GROVE CEMENT PLANT	CHANUTE	30,863	KSD031203318
4	HERCULES CEMENT CO	INDEPENDENCE	22,792	KSD980739999
5	LAIDLAW ENVIRONMENTAL SERVICES ARAGON	COFFEYVILLE	11,330	KSD981506025
6	AIR PRODUCTS MFG CORP	WICHITA	1,100	KSD007237746
7	KANSAS ARMY AMMUNITION PLANT	PARSONS	221	KS0213820467
8	VAN WATERS & ROGERS INC	WICHITA	81	KSD000809715
9	LAIDLAW ENVIRONMENTAL SVC INC	WICHITA	10	KSD007246846
10	LAFARGE CORP	FREDONIA	1	KSD007148034
	TOTAL		**1,558,943**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, F027, D008, D007, D035, D037, F002, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Kansas were: deepwell / underground injection (1,437,332 tons); fuel blending (55,277 tons); and energy recovery - reuse as fuel (54,756 tons).

Kansas Imports/Exports (As reported by Kansas)

- The State that shipped the largest quantity of waste to Kansas was Arkansas (35,390 tons).
- The State to which Kansas shipped the largest quantity of waste was Oklahoma (7,530 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 WASTE GENERATION

348	Total Number of RCRA Large Quantity Generators (LQGs)
192,318 Tons	Total Quantity of RCRA Hazardous Waste Generated

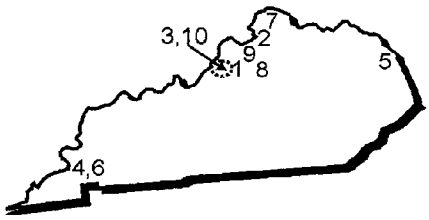


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	SAFETY-KLEEN CORP.	SMITHFIELD	50,832	KYD053348108
2	GALLATIN STEEL COMPANY	WARSAW	27,727	KYD985115237
3	ROHM & HAAS KY, INC.	LOUISVILLE	13,764	KYD006390017
4	LWD INC	CALVERT CITY	10,351	KYD088438817
5	ASHLAND PETROLEUM COMPANY	CATLETTSBURG	8,061	KYD041376138
6	ISP CHEMCIALS INC.	CALVERT CITY	6,692	KYD006370175
7	NEWPORT STEEL CORP WILDER PLANT	WILDER	5,257	KYD991277112
8	TOYOTA MOTOR MANUFACTURING USA. INC.	GEORGETOWN	3,545	KYD161955380
9	ELF ATOCHEM NORTH AMERICA	CARROLLTON	3,473	KYD006373922
10	DUPONT DOW ELASTOMERS LLC	LOUISVILLE	3,388	KYR000004994
	TOTAL		**133,090**	

Top Ten Wastes Generated* : D001, F003, D008, D007, F005, D002, D018, D035, D006, D009

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

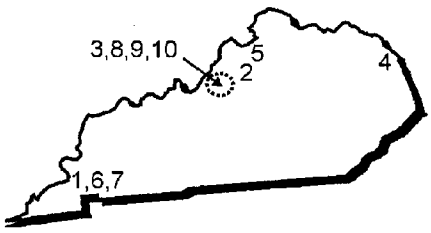
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	20,217	F Waste	20,233		
Corrosive	2,356	K Waste	49,456		
Reactive	294	P Waste	3		
Toxic (D004-17)	5,593	U Waste	398		
Toxic (D018-43)	3,231				
Characteristic Mixed	17,529	Listed Mixed	8		
TOTAL	**49,219**	**TOTAL**	**70,098**	**TOTAL Char. & Listed**	**72,979**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY



1997 WASTE MANAGEMENT

28	Total Number of RCRA TSD Facilities
85,575 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	LWD INC	CALVERT CITY	30,383	KYD088438817
2	SAFETY-KLEEN CORP.	SMITHFIELD	26,547	KYD053348108
3	ROHM & HAAS KY, INC.	LOUISVILLE	13,449	KYD006390017
4	CALGON CARBON CORPORATION	CATLETTSBURG	7,125	KYD005009923
5	ELF ATOCHEM NORTH AMERICA	CARROLLTON	2,597	KYD006373922
6	ELF ATOCHEM NORTH AMERICA INC.	CALVERT CITY	2,271	KYD006370159
7	LWD SANITARY LANDFILL, INC.	CALVERT CITY	2,234	KYD985073196
8	MIDWEST ENVIRONMENTAL	LOUISVILLE	862	KYD000821942
9	ENVIRONMENTAL CONSERVATION SYSTEMS, INC.	BROOKS	76	KYD000770313
10	USAARMC AND FORT KNOX	FORT KNOX	28	KY6210020479
	TOTAL		**85,573**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D018, F003, F005, D039, D035, F001, F002, D008, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Kentucky were: incineration (35,251 tons); fuel blending (26,739 tons); and energy recovery - reuse as fuel (13,449 tons).

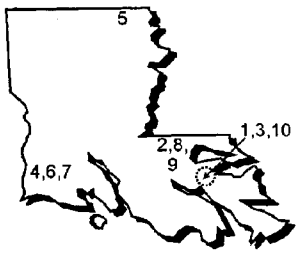
Kentucky Imports/Exports (As reported by Kentucky)

- The State that shipped the largest quantity of waste to Kentucky was Ohio (9,093 tons).
- The State to which Kentucky shipped the largest quantity of waste was Missouri (37,933 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA



1997 WASTE GENERATION

363	Total Number of RCRA Large Quantity Generators (LQGs)
4,624,829 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CYTEC INDUSTRIES INC	WAGGAMAN	1,843,575	LAD008175390
2	RUBICON INC	GEISMAR	1,532,487	LAD008213191
3	DUPONT & DUPONT DOW ELASTOMERS INC	LAPLACE	453,387	LAD001890367
4	CHEMICAL WASTE MANAGEMENT	SULPHUR	140,240	LAD000777201
5	ANGUS CHEMICAL COMPANY	STERLINGTON	91,523	LAD020597597
6	LOUISIANA PIGMENT COMPANY L P	WESTLAKE	69,857	LAD985185149
7	PPG INDUSTRIES INC	WESTLAKE	39,971	LAD008086506
8	THE DOW CHEMICAL COMPANY	PLAQUEMINE	38,256	LAD008187080
9	GEORGIA GULF CORPORATION	PLAQUEMINE	35,831	LAD057117434
10	CHALMETTE REFINERY	CHALMETTE	28,775	LAD008179707
	TOTAL		**4,273,902**	

Top Ten Wastes Generated* : D001, F003, F005, D008, D018, D007, D002, D009, D035, D006

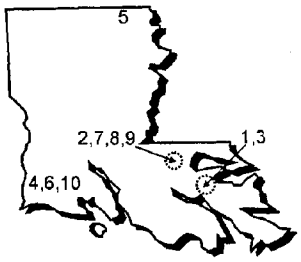
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	42,619	F Waste	44,164		
Corrosive	540,901	K Waste	486,560		
Reactive	35,874	P Waste	295		
Toxic (D004-17)	28,840	U Waste	1,213		
Toxic (D018-43)	54,558				
Characteristic Mixed	1,112,868	Listed Mixed	23,192		
TOTAL	**1,815,659**	**TOTAL**	**555,424**	**TOTAL Char. & Listed**	**2,253,721**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



LOUISIANA

1997 WASTE MANAGEMENT

57	**Total Number of RCRA TSD Facilities**
4,503,985 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	CYTEC INDUSTRIES INC	WAGGAMAN	1,843,383	LAD008175390
2	RUBICON INC	GEISMAR	1,529,616	LAD008213191
3	DUPONT & DUPONT DOW ELASTOMERS INC	LAPLACE	455,630	LAD001890367
4	CHEMICAL WASTE MANAGEMENT	SULPHUR	193,215	LAD000777201
5	ANGUS CHEMICAL COMPANY	STERLINGTON	91,165	LAD020597597
6	PPG INDUSTRIES INC	WESTLAKE	78,573	LAD008086506
7	LAIDLAW ENVIRONMENTAL SVCS PLAQUEMINES	PLAQUEMINE	45,160	LAD000778514
8	THE DOW CHEMICAL COMPANY	PLAQUEMINE	39,570	LAD008187080
9	GEORGIA GULF CORPORATION	PLAQUEMINE	35,012	LAD057117434
10	CECOS INTERNATIONAL INC.	WESTLAKE	28,334	LAD000618256
	TOTAL		**4,339,658**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, D007, D006, D002, D009, D005, D004, D011, D010

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Louisiana were: deepwell / underground injection (3,957,139 tons); landfill (125,828 tons); and energy recovery - reuse as fuel (108,834 tons).

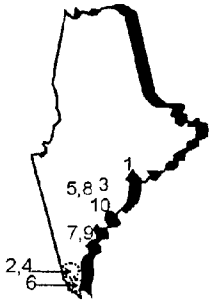
Louisiana Imports/Exports (As reported by Louisiana)

- The State that shipped the largest quantity of waste to Louisiana was Texas (74,395 tons).
- The State to which Louisiana shipped the largest quantity of waste was Texas (83,555 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MAINE



1997 WASTE GENERATION

137	Total Number of RCRA Large Quantity Generators (LQGs)
4,758 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	HOLTRACHEM MFG CO LLC	ORRINGTON	760	MED000242701
2	CYRO INDUSTRIES	SANFORD	621	MED040249096
3	CENTRAL MAINE POWER CO O'CONNOR SITE	AUGUSTA	304	MED018980227
4	PRATT & WHITNEY	NORTH BERWICK	277	MED000791681
5	PHILIPS ELMET	LEWISTON	260	MED001097203
6	PORTSMOUTH NAVAL SHIPYARD	KITTERY	241	ME7170022019
7	SPRAGUE ENERGY CORP	SOUTH PORTLAND	217	MED000841015
8	GENERAL ELECTRIC CO ELECTRICAL DIST	AUBURN	162	MED051431906
9	NATIONAL SEMICONDUCTOR	SOUTH PORTLAND	148	MED001098458
10	BATH IRON WORKS CORPORATION	BATH	148	MED041460247
	TOTAL		3,138	

Top Ten Wastes Generated* : D001, D008, D002, F003, D006, D007, D009, D018, F005, F002

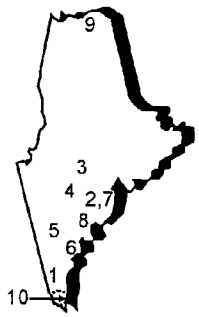
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	898	F Waste	267		
Corrosive	308	K Waste	745		
Reactive	2	P Waste	0		
Toxic (D004-17)	992	U Waste	61		
Toxic (D018-43)	6				
Characteristic Mixed	602	Listed Mixed	0		
TOTAL	**2,808**	**TOTAL**	**1,074**	**TOTAL Char. & Listed**	**873**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



MAINE

1997 WASTE MANAGEMENT

23	Total Number of RCRA TSD Facilities
718 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	CYRO INDUSTRIES	SANFORD	400	MED040249096
2	OSRAM SYLVANIA PRODUCTS INC	WALDOBORO	299	MED001099746
3	CIANBRO PAINT/FAB SHOP	PITTSFIELD	9	MED985466358
4	DEPT OF VETERAN'S AFFAIRS	TOGUS	5	MED037719846
5	SABRE CORPORATION	RAYMOND	2	MED055714588
6	LOCKARD'S COLLISION CENTER	PORTLAND	2	MED019051846
7	FMC CORPORATION BIO PRODUCTS	ROCKLAND	1	MED985468982
8	M. GRUMBACHER	LISBON FALLS	0	MED985471895
9	DAIGLE & HOUGHTON	FORT KENT	0	MED985468958
10	PORTSMOUTH NAVAL SHIPYARD	KITTERY	0	ME7170022019
	TOTAL		**718**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D001, F003, D002, F005, D011, D007, D009

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Maine were: solvents recovery (414 tons); other recovery (278 tons); and sludge treatment (22 tons).

Maine Imports/Exports (As reported by Maine)

- The State that shipped the largest quantity of waste to Maine was New Hampshire (0 tons).
- The State to which Maine shipped the largest quantity of waste was New York (1,673 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 WASTE GENERATION

327	Total Number of RCRA Large Quantity Generators (LQGs)
63,498 Tons	Total Quantity of RCRA Hazardous Waste Generated

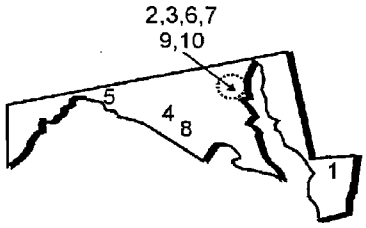


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	FIN-TEC INC	SALISBURY	20,403	MDR000004465
2	FMC CORP	BALTIMORE	10,310	MDD003071875
3	MARYLAND PORT ADMIN	BALTIMORE	6,503	MDD030324073
4	EASTALCO ALUMINUM CO	FREDERICK	2,472	MDD990759375
5	RUST OLEUM CORP	WILLIAMSPORT	1,890	MDD069390839
6	SHERWIN WILLIAMS CO	BALTIMORE	1,593	MDD000215160
7	BETHLEHEM STEEL SPARROWS POINT DIV	SPARROWS POINT	1,493	MDD053945432
8	SPECTRA INC	CLARKSBURG	1,324	MDD985369305
9	ALLIED SIGNAL INC	BALTIMORE	1,275	MDD069396711
10	BALTIMORE GAS & ELECTRIC CO	BALTIMORE	1,044	MDD000619395
	TOTAL		48,307	

Top Ten Wastes Generated* : D001, D002, D008, D007, F003, D009, D006, F005, D018, D035

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

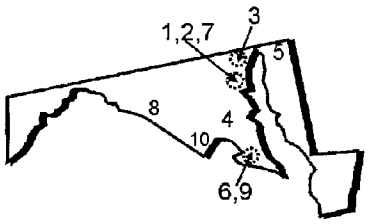
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	8,205	F Waste	22,063		
Corrosive	225	K Waste	2,470		
Reactive	25	P Waste	17		
Toxic (D004-17)	11,970	U Waste	60		
Toxic (D018-43)	1,458				
Characteristic Mixed	3,686	Listed Mixed	5		
TOTAL	**25,569**	**TOTAL**	**24,616**	**TOTAL Char. & Listed**	**13,276**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND



1997 WASTE MANAGEMENT

25	Total Number of RCRA TSD Facilities
4,560 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	FMC CORP	BALTIMORE	3,166	MDD003071875
2	CLEAN HARBORS OF BALTIMORE INC	BALTIMORE	1,330	MDD980555189
3	CYTEC INDUSTRIES INC	HAVRE DE GRACE	38	MDD003075942
4	LAIDLAW ENVIRONMENTAL SERVICES	LAUREL	11	MDD980554653
5	THIOKOL CORP	ELKTON	9	MDD003067121
6	NAVAL SURFACE WARFARE CENTER	INDIAN HEAD	2	MD4170024109
7	TOWSON STATE UNIVERSITY	TOWSON	1	MDD050793926
8	FREDERICK CANCER RESEARCH AND DEVELOPMEN	FREDERICK	1	MD3750832062
9	NAVEODTECHDIV	INDIAN HEAD	1	MD4170090001
10	NATIONAL INSTITUTES OF HEALTH	BETHESDA	0	MD6150004095
	TOTAL		**4,560**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D008, D007, D006, D002, D001, D005, D004, F002, D011, F003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Maryland were: incineration (3,194 tons); stabilization (1,162 tons); and solvents recovery (191 tons).

Maryland Imports/Exports (As reported by Maryland)

- The State that shipped the largest quantity of waste to Maryland was Connecticut (5,156 tons).
- The State to which Maryland shipped the largest quantity of waste was Pennsylvania (24,736 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 WASTE GENERATION

474	Total Number of RCRA Large Quantity Generators (LQGs)

94,467 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MA HIGHWAY DEPT.-CAT PROJECT	BOSTON	46,676	MA5000001040
2	CHEMDESIGN CORPORATION	FITCHBURG	3,262	MAD980912323
3	POLAROID CORP.	WALTHAM	2,822	MAD001402320
4	REXAM GRAPHICS	SOUTH HADLEY	1,944	MAD985293802
5	ALTRON INCORPORATED	WILMINGTON	1,925	MAD990886301
6	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	1,770	MAD019371079
7	BOSTIK INC	MIDLLETON	1,713	MAD001039767
8	TEXAS INSTRUMENTS, INC.	ATTLEBORO	1,541	MAD007325814
9	ZENECA SPECIALTIES	DIGHTON	1,120	MAD051505477
10	GENERAL ELECTRIC AIRCRAFT ENGINES	LYNN	1,057	MAD001408517
	TOTAL		**63,830**	

Top Ten Wastes Generated* : D001, D002, F003, D008, F005, D007, F002, D018, D035, D009

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

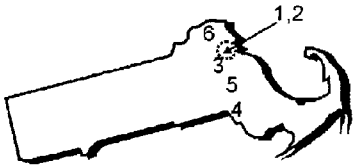
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	5,058	F Waste	6,191		
Corrosive	1,706	K Waste	0		
Reactive	50	P Waste	4		
Toxic (D004-17)	5,963	U Waste	909		
Toxic (D018-43)	856				
Characteristic Mixed	52,480	Listed Mixed	0		
TOTAL	**66,113**	**TOTAL**	**7,104**	**TOTAL Char. & Listed**	**21,108**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS



1997 WASTE MANAGEMENT

28	Total Number of RCRA TSD Facilities
16,467 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	City	Tons of Waste Managed *	EPA ID
1	CLEAN HARBORS OF BRAINTREE, INC.	BRAINTREE	13,744	MAD053452637
2	BOSTIK INC	MIDLLETON	1,554	MAD001039767
3	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	657	MAD019371079
4	ATTLEBORO REFINING CO -- HANDY & HARMAN	ATTLEBORO	412	MAD046613279
5	ENVIRONMENTAL COMPLIANCE CORPORATION	STOUGHTON	75	MAD062179890
6	THE GILLETTE COMPANY	ANDOVER	25	MAD053483467
	TOTAL		16,467	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : F001, D008, F002, D007, D002, D040, D018, D006, D009, F006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Massachusettes were: stabilization (13,549 tons); energy recovery - reuse as fuel (1,654 tons); and solvents recovery (839 tons).

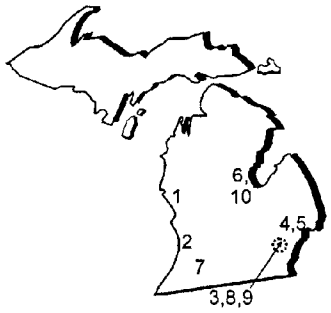
Massachusetts Imports/Exports (As reported by Massachusetts)

- The State that shipped the largest quantity of waste to Massachusetts was New York (6,503 tons).
- The State to which Massachusetts shipped the largest quantity of waste was Michigan (43,857 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MICHIGAN



1997 WASTE GENERATION

682	Total Number of RCRA Large Quantity Generators (LQGs)
994,047 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	LOMAC, INC.	MUSKEGON	246,061	MID006030373
2	PARKE-DAVIS, DIV. OF WARNER-LAMBERT CO.	HOLLAND	189,402	MID006013643
3	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	103,104	MID000724831
4	PETROCHEM PROCESSING GRP. OF NORTRU, INC	DETROIT	85,863	MID980615298
5	CITY ENVIRONMENTAL INC.	DETROIT	59,038	MID054683479
6	THE DOW CHEMICAL COMPANY	MIDLAND	44,128	MID000724724
7	THE UPJOHN COMPANY	KALAMAZOO	37,197	MID000820381
8	MICHIGAN RECOVERY SYSTEMS INC.	ROMULUS	24,731	MID060975844
9	WAYNE DISPOSAL, INC.	BELLEVILLE	22,739	MID048090633
10	DOW CORNING CORP. MIDLAND PLANT	MIDLAND	13,470	MID000809632
	TOTAL		**825,732**	

Top Ten Wastes Generated* : D001, F003, D008, F005, D002, D018, D007, D006, D035, D039

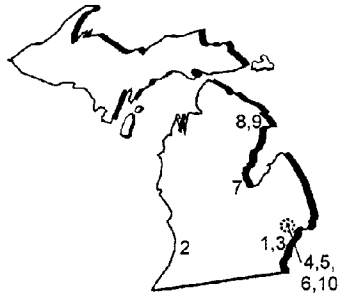
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	16,454	F Waste	253,986		
Corrosive	193,940	K Waste	33,844		
Reactive	163	P Waste	9		
Toxic (D004-17)	14,778	U Waste	537		
Toxic (D018-43)	5,409				
Characteristic Mixed	118,376	Listed Mixed	18,280		
TOTAL	**349,120**	**TOTAL**	**306,656**	**TOTAL Char. & Listed**	**337,769**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



MICHIGAN

1997 WASTE MANAGEMENT

113	Total Number of RCRA TSD Facilities
1,075,667 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	281,184	MID000724831
2	PARKE-DAVIS, DIV. OF WARNER-LAMBERT CO.	HOLLAND	177,771	MID006013643
3	WAYNE DISPOSAL, INC.	BELLEVILLE	173,513	MID048090633
4	PETROCHEM PROCESSING GRP. OF NORTRU, INC	DETROIT	98,885	MID980615298
5	CITY ENVIRONMENTAL INC.	DETROIT	56,939	MID054683479
6	DYNECOL INCORPORATED	DETROIT	48,186	MID074259565
7	THE DOW CHEMICAL COMPANY	MIDLAND	43,620	MID000724724
8	LAFARGE CORPORATION	ALPENA	35,801	MID005379607
9	SYSTECH ENV. CORP.--LAFARGE CORPORATION	ALPENA	33,945	MID981200835
10	CITY ENVIRONMENTAL, INC.	DETROIT	25,502	MID980991566
	TOTAL		**975,345**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, F003, F005, D007, D035, D006, D005, D002, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Michigan were: landfill (321,829 tons); stabilization (268,475 tons); and deepwell / underground injection (184,599 tons).

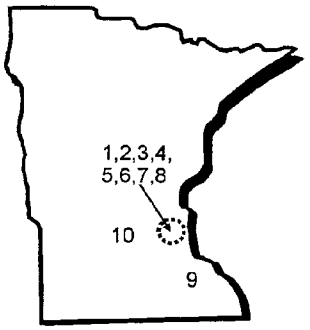
Michigan Imports/Exports (As reported by Michigan)

- The State that shipped the largest quantity of waste to Michigan was Ohio (121,710 tons).
- The State to which Michigan shipped the largest quantity of waste was Ohio (44,763 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA



1997 WASTE GENERATION

274	Total Number of RCRA Large Quantity Generators (LQGs)
427,390 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GOPHER RESOURCE CORP	EAGAN	340,701	MND006148092
2	B.J. CARNEY CO SUPERFUND SITE	MINNEAPOLIS	17,754	MND981195167
3	CEDAR SERVICE SITE	MINNEAPOLIS	12,241	MNR000053678
4	3M COTTAGE GROVE	COTTAGE GROVE	9,912	MND006172969
5	NORTH STAR STEEL	ST PAUL	9,203	MND041775008
6	AVTEC FINISHING SYSTEMS	NEW HOPE	5,744	MND980681589
7	U. S. FILTER RECOVERY SERVICES INC.	ROSEVILLE	3,778	MND981098478
8	ADVANCE CIRCUITS, INC.	ROSEVILLE	2,090	MND001037639
9	SHELDAHL INC	NORTHFIELD	2,081	MND006147268
10	3M TAPE MANUFACTURING DIVISION	HUTCHINSON	1,947	MND006172902
	TOTAL		**405,452**	

Top Ten Wastes Generated* : D001, D008, F003, D002, F005, D007, D006, D018, D035, F006

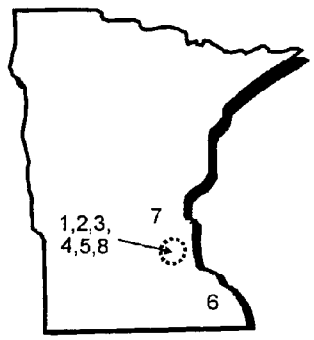
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	1,710	F Waste	37,361		
Corrosive	7,628	K Waste	9,679		
Reactive	98	P Waste	1		
Toxic (D004-17)	344,111	U Waste	3		
Toxic (D018-43)	263				
Characteristic Mixed	11,246	Listed Mixed	70		
TOTAL	**365,057**	**TOTAL**	**47,114**	**TOTAL Char. & Listed**	**15,167**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



MINNESOTA

1997 WASTE MANAGEMENT

24	Total Number of RCRA TSD Facilities
141,292 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	GOPHER RESOURCE CORP	EAGAN	112,513	MND006148092
2	3M COTTAGE GROVE	COTTAGE GROVE	21,617	MND006172969
3	U. S. FILTER RECOVERY SERVICES INC.	ROSEVILLE	6,523	MND981098478
4	RECYCLIGHTS, INC.	BLOOMINGTON	503	MN0000903468
5	NSP CHESTNUT SERVICE CENTER	MINNEAPOLIS	66	MND000826206
6	MAYO FOUNDATION	ROCHESTER	53	MND083467688
7	FEDERAL-HOFFMAN INC	ANOKA	9	MND006156590
8	UNITED DEFENSE LP/US NAVY	FRIDLEY	7	MN3170022914
	TOTAL		**141,292**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, D002, D009, F006, D035, F003, F005, D007, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Minnesota were: metals recovery - for reuse (118,231 tons); incineration (21,626 tons); and other recovery (861 tons).

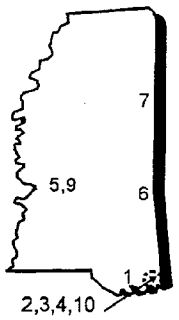
Minnesota Imports/Exports (As reported by Minnesota)

- The State that shipped the largest quantity of waste to Minnesota was Illinois (29,550 tons).
- The State to which Minnesota shipped the largest quantity of waste was Indiana (343,277 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI



1997 WASTE GENERATION

193	Total Number of RCRA Large Quantity Generators (LQGs)
1,654,338 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	E.I. DUPONT DE NEMOURS & CO. DELISLE PLA	PASS CHRISTIAN	1,124,915	MSD096046792
2	MORTON INTERNATIONAL, INC	MOSS POINT	492,356	MSD008186587
3	CHEVRON PRODUCTS CO-PASCAGOULA REFINERY	PASCAGOULA	7,711	MSD054179403
4	FIRST CHEMICAL CORP.	PASCAGOULA	7,575	MSD033417031
5	BIRMINGHAM SOUTHEAST LLC	FLOWOOD	6,095	MSD008158685
6	MID-SOUTH LUMBER/FORT JAMES CORPORATION	MERIDIAN	1,997	MSD985977891
7	GENCORP	COLUMBUS	1,324	MSD004001244
8	GE PLASTICS	PEARLINGTON	908	MSD000742668
9	AKZO NOBEL COATINGS, INC.	CLINTON	712	MSD041165747
10	INGALLS SHIPBUILDING, INC. WEST BANK	PASCAGOULA	659	MSD050648757
	TOTAL		**1,644,253**	

Top Ten Wastes Generated* : D001, F003, F005, D008, D007, D002, D035, D009, D018, D006

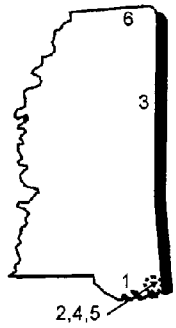
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	1,250	F Waste	3,974		
Corrosive	431	K Waste	9,641		
Reactive	1	P Waste	11		
Toxic (D004-17)	1,429	U Waste	38		
Toxic (D018-43)	493				
Characteristic Mixed	1,127,662	Listed Mixed	7		
TOTAL	**1,131,265**	**TOTAL**	**13,671**	**TOTAL Char. & Listed**	**509,402**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



MISSISSIPPI

1997 WASTE MANAGEMENT

16	Total Number of RCRA TSD Facilities
1,720,718 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	E.I. DUPONT DE NEMOURS & CO. DELISLE PLA	PASS CHRISTIAN	1,180,595	MSD096046792
2	MORTON INTERNATIONAL, INC	MOSS POINT	492,270	MSD008186587
3	HOLNAM, INC.	ARTESIA	34,327	MSD077655876
4	CHEVRON PRODUCTS CO-PASCAGOULA REFINERY	PASCAGOULA	7,060	MSD054179403
5	FIRST CHEMICAL CORP.	PASCAGOULA	6,435	MSD033417031
6	IPC CORINTH DIV. INC.	CORINTH	32	MSD096076781
	TOTAL		**1,720,718**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D004, D005, D006, D018, D002, D003, D008, F037, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

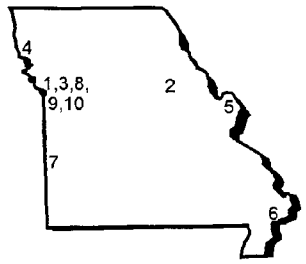
- The top three management methods used in Mississippi were: deepwell / underground injection (1,669,863 tons); energy recovery - reuse as fuel (40,761 tons); and other recovery (7,060 tons).

Mississippi Imports/Exports (As reported by Mississippi)

- The State that shipped the largest quantity of waste to Mississippi was Texas (11,588 tons).
- The State to which Mississippi shipped the largest quantity of waste was Alabama (7,138 tons).

NOTE: Columns may not sum due to rounding.

MISSOURI



1997 WASTE GENERATION

363	Total Number of RCRA Large Quantity Generators (LQGs)
116,705 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GS TECHNOLOGIES OPERATING CO INC	KANSAS CITY	14,117	MO0000031823
2	TEVA PHARMACEUTICALS USA	MEXICO	12,143	MOD985791995
3	SOLVENT RECOVERY CORP	KANSAS CITY	8,952	MOD000610766
4	EXIDE CORP SCHUYLKILL METALS DIV	FOREST CITY	8,892	MOD030712822
5	MALLINCKRODT CHEMICAL INC	ST LOUIS	5,758	MOD096726484
6	NORANDA ALUMINUM INC	NEW MADRID	5,660	MOD093750966
7	3M CO	NEVADA	5,323	MOD057894321
8	BAYER CORP	KANSAS CITY	4,247	MOD056389828
9	WILCOX ELECTRIC INC	NORTH KANSAS CITY	3,133	MOD980968739
10	FORD MOTOR CO	CLAYCOMO	2,933	MOD007118078
	TOTAL		**71,158**	

Top Ten Wastes Generated* : D001, F003, F005, D008, D002, D007, D006, D035, F002, D018

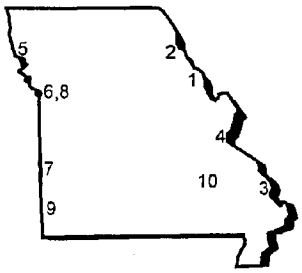
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	4,375	F Waste	17,924		
Corrosive	4,362	K Waste	7,731		
Reactive	98	P Waste	72		
Toxic (D004-17)	14,322	U Waste	229		
Toxic (D018-43)	1,143				
Characteristic Mixed	6,380	Listed Mixed	181		
TOTAL	**30,679**	**TOTAL**	**26,136**	**TOTAL Char. & Listed**	**58,703**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



MISSOURI

1997 WASTE MANAGEMENT

83	Total Number of RCRA TSD Facilities
238,179 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	HOLNAM INC/SAFETY KLEEN INC	CLARKSVILLE	79,171	MOD029729688
2	CONTINENTAL CEMENT CO	HANNIBAL	75,948	MOD054018288
3	LONE STAR INDUSTRIES INC	CAPE GIRARDEAU	39,870	MOD981127319
4	RIVER CEMENT CO	FESTUS	13,696	MOD050232560
5	EXIDE CORP SCHUYLKILL METALS DIV	FOREST CITY	12,746	MOD030712822
6	BAYER CORP	KANSAS CITY	3,943	MOD056389828
7	3M CO	NEVADA	3,047	MOD057894321
8	HERITAGE ENVIRONMENTAL SVCS	KANSAS CITY	2,879	MOD981505555
9	DYNO NOBEL INC	CARTHAGE	1,695	MOD029719200
10	DOE RUN CO - BUICK SMELTER	BOSS	1,334	MOD059200089
	TOTAL		**234,329**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, F003, F005, D007, D005, D035, D018, D006, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Missouri were: energy recovery - reuse as fuel (208,685 tons); stabilization (6,387 tons); and landfill (6,259 tons).

Missouri Imports/Exports (As reported by Missouri)

- The State that shipped the largest quantity of waste to Missouri was Illinois (40,616 tons).
- The State to which Missouri shipped the largest quantity of waste was Foreign Country (14,054 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 WASTE GENERATION

47	Total Number of RCRA Large Quantity Generators (LQGs)
12,266 Tons	Total Quantity of RCRA Hazardous Waste Generated

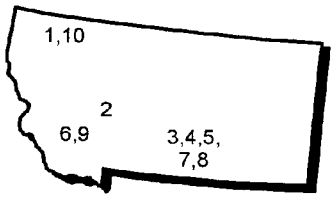


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	COLUMBIA FALLS ALUMINUM CO	COLUMBIA FALLS	4,559	MTD057561763
2	ASARCO INC EAST HELENA	EAST HELENA	1,836	MTD006230346
3	CONOCO REFINERY BILLINGS	BILLINGS	1,633	MTD006229405
4	TRANSBAS INC	BILLINGS	1,099	MTD079711198
5	CENEX INC LAUREL REFINERY	LAUREL	835	MTD006238083
6	MONTANA POLE WATER TREATMENT PLANT	BUTTE	784	MTD986073583
7	EXXON BILLINGS REFINERY	BILLINGS	538	MTD010380574
8	MONTANA RADIATOR WORKS	BILLINGS	464	MTD065560393
9	ADVANCED SILICON MATERIALS INC	BUTTE	162	MTR000004754
10	SEMITOOL INC RESERVE DR	KALISPELL	64	MTD982648099
	TOTAL		**11,975**	

Top Ten Wastes Generated* : D001, D008, F003, F005, D007, D018, D006, F002, D002, D040

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

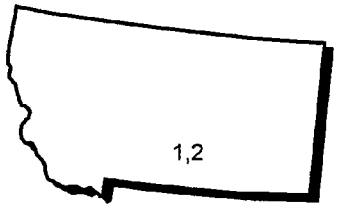
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	9	F Waste	975		
Corrosive	5	K Waste	5,133		
Reactive	12	P Waste	0		
Toxic (D004-17)	2,402	U Waste	1		
Toxic (D018-43)	19				
Characteristic Mixed	163	Listed Mixed	1,852		
TOTAL	**2,610**	**TOTAL**	**7,961**	**TOTAL Char. & Listed**	**1,695**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA



1997 WASTE MANAGEMENT

8	Total Number of RCRA TSD Facilities
987 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	EXXON BILLINGS REFINERY	BILLINGS	523	MTD010380574
2	MONTANA RADIATOR WORKS	BILLINGS	464	MTD065560393
	TOTAL		987	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D018, K049, K051, D008, F037

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Management Methods

- The top management methods used in Montana were: land treatment / application / farming (523 tons) and stabilization (464 tons).

Montana Imports/Exports (As reported by Montana)

- Montana did not receive RCRA hazardous wastes from any other State.
- The State to which Montana shipped the largest quantity of waste was Oregon (3,637 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 WASTE GENERATION

6	Total Number of RCRA Large Quantity Generators (LQGs)

150 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	PEABODY WESTERN COAL CO	KAYENTA	139	NND104150024
2	WINGATE HIGH SCHOOL	FT WINGATE	5	NN0000473454
3	USBIA BRANCH OF ROADS MAINT SECTION	TUBA CITY	2	NNR000000356
4	USBIA BRANCH OF ROADS - CHEU	FARMINGTON	2	NN2140909100
5	NAVAJO NATION FACILITIES MAINTENANCE	TUBA CITY	1	NNP601252809
6	USDOI USBIA CHINLE BOARDING SCHOOL	MANY FARMS	0	NNP000034025
	TOTAL		150	

Top Ten Wastes Generated* : D001, D008, F003, D039, D040, D002, F005, D007, F002, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	0	F Waste	0		
Corrosive	5	K Waste	0		
Reactive	0	P Waste	0		
Toxic (D004-17)	0	U Waste	0		
Toxic (D018-43)	15				
Characteristic Mixed	76	Listed Mixed	0		
TOTAL	**95**	**TOTAL**	**0**	**TOTAL Char. & Listed**	**54**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 WASTE MANAGEMENT

0	Total Number of RCRA TSD Facilities

0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities in Navajo Nation that reported managing (treating or disposing) RCRA hazardous waste.

Navajo Nation Imports/Exports (As reported by Navajo Nation)

- Navajo Nation did not receive RCRA hazardous wastes from any other State.
- The State to which Navajo Nation shipped the largest quantity of waste was Illinois (130 tons).

NOTE: Columns may not sum due to rounding.

NEBRASKA

1997 WASTE GENERATION

68	Total Number of RCRA Large Quantity Generators (LQGs)

23,491 Tons	Total Quantity of RCRA Hazardous Waste Generated

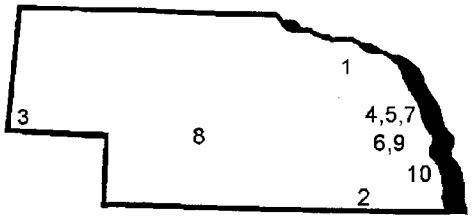


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NUCOR STEEL DIV	NORFOLK	9,109	NED087069050
2	AMERICAN MICROTRACE CORP	FAIRBURY	4,895	NED000610550
3	CLEAN HARBORS ENVIRONMENTAL SVC INC	KIMBALL	4,180	NED981723513
4	LUCENT TECHNOLOGIES INC	OMAHA	1,824	NED007259054
5	LOZIER CORP NORTH PLANT	OMAHA	330	NED000610691
6	DUNCAN AVIATION	LINCOLN	320	NED980971733
7	LOZIER CORP WEST PLANT	OMAHA	285	NED000610709
8	TENNECO AUTOMOTIVE MONROE	COZAD	236	NED007263619
9	LINCOLN PLATING CO	LINCOLN	219	NED007281728
10	AMERICAN METER CO	NEBRASKA CITY	199	NED007265077
	TOTAL		**21,597**	

Top Ten Wastes Generated* : D001, D008, F003, D007, F005, D006, D002, D035, D018, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

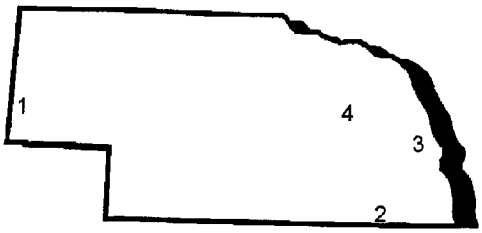
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	90	F Waste	1,011		
Corrosive	73	K Waste	9,109		
Reactive	0	P Waste	19		
Toxic (D004-17)	6,976	U Waste	56		
Toxic (D018-43)	8				
Characteristic Mixed	174	Listed Mixed	0		
TOTAL	**7,323**	**TOTAL**	**10,196**	**TOTAL Char. & Listed**	**5,967**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEBRASKA



1997 WASTE MANAGEMENT

11	Total Number of RCRA TSD Facilities
41,231 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	CLEAN HARBORS ENVIRONMENTAL SVC INC	KIMBALL	40,866	NED981723513
2	AMERICAN MICROTRACE CORP	FAIRBURY	316	NED000610550
3	TECHNICAL PRODUCTS GROUP INC MAIN PLANT	LINCOLN	34	NED043534635
4	BECTON DICKINSON	COLUMBUS	15	NED007263197
	TOTAL		**41,231**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, D007, D018, F002, D006, F003, D002, D011, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

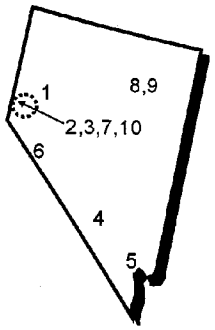
- The top three management methods used in Nebraska were: incineration (39,454 tons); stabilization (1,412 tons); and metals recovery - for reuse (316 tons).

Nebraska Imports/Exports (As reported by Nebraska)

- The State that shipped the largest quantity of waste to Nebraska was Illinois (10,722 tons).
- The State to which Nebraska shipped the largest quantity of waste was Texas (3,457 tons).

NOTE: Columns may not sum due to rounding.

NEVADA



1997 WASTE GENERATION

90	Total Number of RCRA Large Quantity Generators (LQGs)
12,518 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	21ST CENTURY EMI	FERNLEY	3,570	NVD980895338
2	R.R. DONNELLEY & SONS CO	RENO	2,700	NVD981641434
3	BLM FORMER MONITE EXP. FACTORY	SPARKS	2,369	NVR000002998
4	BECHTEL NV FOR USDOE NTS	MERCURY	656	NV3890090001
5	USDOI BUREAU OF LAND MANAGEMENT	LAS VEGAS	264	NV2141190031
6	HAWTHORNE ARMY DEPOT	HAWTHORNE	243	NV1210090006
7	CHEMEX LABS INC.	SPARKS	237	NVD981967375
8	NEWMONT GOLD QUARRY MINE	CARLIN	171	NVD000627034
9	BARRICK GOLDSTRIKE MINES INC.	CARLIN	163	NVD000626531
10	SHERWIN WILLIAMS	SPARKS	141	NVD981625015
	TOTAL		**10,516**	

Top Ten Wastes Generated* : D001, D008, D007, D002, D035, D006, D018, F003, D009, F002

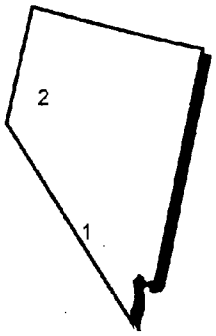
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	149	F Waste	2,408		
Corrosive	9	K Waste	12		
Reactive	168	P Waste	0		
Toxic (D004-17)	1,851	U Waste	1		
Toxic (D018-43)	2,395				
Characteristic Mixed	3,197	Listed Mixed	1		
TOTAL	**7,767**	**TOTAL**	**2,422**	**TOTAL Char. & Listed**	**2,328**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



NEVADA

1997 WASTE MANAGEMENT

6	Total Number of RCRA TSD Facilities
29,313 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	US ECOLOGY INC, BEATTY, NV	BEATTY	29,249	NVT330010000
2	21ST CENTURY EMI	FERNLEY	64	NVD980895338
	TOTAL		**29,313**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D008, D007, D006, F006, D005, D004, D009, F003, D003, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

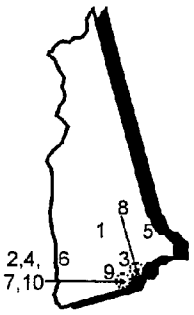
- The top three management methods used in Nevada were: stabilization (25,783 tons); landfill (3,502 tons); and metals recovery - for reuse (17 tons).

Nevada Imports/Exports (As reported by Nevada)

- The State that shipped the largest quantity of waste to Nevada was California (25,772 tons).
- The State to which Nevada shipped the largest quantity of waste was California (1,818 tons).

NOTE: Columns may not sum due to rounding.

NEW HAMPSHIRE



1997 WASTE GENERATION

152	Total Number of RCRA Large Quantity Generators (LQGs)
9,751 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	WEBSTER VALVE INC	FRANKLIN	2,741	NHD058537960
2	HAMPSHIRE CHEMICAL CORPORATION	NASHUA	1,488	NHD048724173
3	HADCO CORPORATION	DERRY	574	NHD046312559
4	CIRCUIT CONNECT INC	NASHUA	401	NHD986466688
5	K W THOMPSON TOOL CO	ROCHESTER	397	NHD002059525
6	STURM RUGER & CO INC	NEWPORT	365	NHD018953794
7	TERADYNE CIRCUITS DIVISION	NASHUA	364	NHD073974651
8	HADCO CORPORATION	SALEM	333	NHD980668156
9	HITCHINER MFG. CO. INC.	MILFORD	256	NHD001078682
10	UPACO ADHESIVE INC	NASHUA	159	NHD001038348
	TOTAL		**7,078**	

Top Ten Wastes Generated* : D001, D002, D008, F003, F005, D007, D035, D009, D006, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	398	F Waste	3,398		
Corrosive	424	K Waste	0		
Reactive	18	P Waste	0		
Toxic (D004-17)	1,798	U Waste	1		
Toxic (D018-43)	70				
Characteristic Mixed	2,227	Listed Mixed	0		
TOTAL	**4,935**	**TOTAL**	**3,400**	**TOTAL Char. & Listed**	**1,413**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE

1997 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in New Hampshire that reported managing (treating or disposing) RCRA hazardous waste.

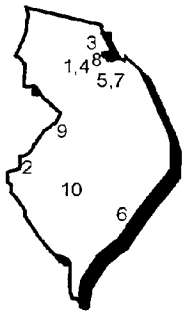
* Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

New Hampshire Imports/Exports (As reported by New Hampshire)

- New Hampshire did not receive RCRA hazardous wastes from any other State.
- The State to which New Hampshire shipped the largest quantity of waste was Massachusetts (2,518 tons).

NOTE: Columns may not sum due to rounding.

NEW JERSEY



1997 WASTE GENERATION

819	Total Number of RCRA Large Quantity Generators (LQGs)
348,409 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MARISOL INC	MIDDLESEX	161,843	NJD002454544
2	EI DUPONT-CHAMBERS WORKS	DEEPWATER	47,525	NJD002385730
3	GIVAUDAN ROURE CORPORATION	CLIFTON	17,666	NJD002156354
4	CHEVRON CHEMICAL COMPANY	SOUTH PLAINFIELD	14,006	NJD002171593
5	CO-STEEL SAYREVILLE	SAYREVILLE	10,134	NJD078873270
6	LENOX CHINA	POMONA	7,616	NJD002325074
7	MADISON INDUSTRIES INC	OLD BRIDGE	4,285	NJD002460855
8	HULS AMERICA INC	ELIZABETH	3,965	NJD011246337
9	COASTAL EAGLE POINT OIL COMPANY	WESTVILLE	3,877	NJD990753162
10	SHIELDALLOY METALLURGICAL CORP	NEWFIELD	3,781	NJD002365930
	TOTAL		**274,697**	

Top Ten Wastes Generated* : D001, F003, D002, F005, D008, D009, D003, D018, F002, D007

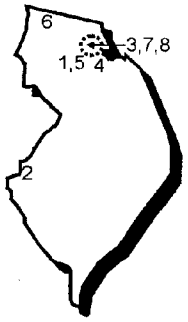
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	12,088	F Waste	6,902		
Corrosive	624	K Waste	10,206		
Reactive	251	P Waste	64		
Toxic (D004-17)	36,535	U Waste	227		
Toxic (D018-43)	2,145				
Characteristic Mixed	9,116	Listed Mixed	56,911		
TOTAL	**60,759**	**TOTAL**	**74,310**	**TOTAL Char. & Listed**	**213,072**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



NEW JERSEY

1997 WASTE MANAGEMENT

85	Total Number of RCRA TSD Facilities
86,095 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	MARISOL INC	MIDDLESEX	43,357	NJD002454544
2	EI DUPONT-CHAMBERS WORKS	DEEPWATER	42,270	NJD002385730
3	ZENECA INC	BAYONNE	282	NJD001787944
4	HERCULES INC	PARLIN	95	NJD002521961
5	KENDALL/BETHAM	MIDDLESEX	36	NJD049874415
6	AMES RUBBER CORP PLANT 3	SUSSEX	26	NJD000818518
7	ENGELHARD CORPORATION	EAST NEWARK	26	NJD002141489
8	NOVARTIS PHARMACEUTICALS	SUMMIT	2	NJD001316173
	TOTAL		**86,095**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* :

F003, F002, D001, F005, F001, D002, D008, U080, U002, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

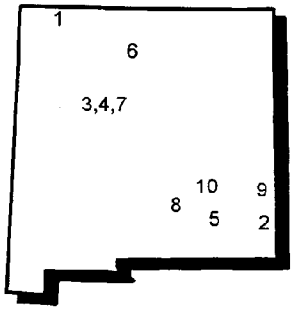
- The top three management methods used in New Jersey were: stabilization (41,749 tons); fuel blending (39,794 tons); and solvents recovery (3,598 tons).

New Jersey Imports/Exports (As reported by New Jersey)

- The State that shipped the largest quantity of waste to New Jersey was Pennsylvania (7,615 tons).
- The State to which New Jersey shipped the largest quantity of waste was Pennsylvania (43,494 tons).

NOTE: Columns may not sum due to rounding.

NEW MEXICO



1997 WASTE GENERATION

39	Total Number of RCRA Large Quantity Generators (LQGs)
99,474 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GIANT REFINING COMPANY - BLOOMFIELD	BLOOMFIELD	95,061	NMD089416416
2	MI LLC HOBBS NEW MEXICO	HOBBS	1,107	NMD079839908
3	INTEL CORPORATION	RIO RANCHO	1,095	NMD000609339
4	SANDIA NATIONAL LABORATORIES - NM	ALBUQUERQUE	432	NM5890110518
5	NAVAJO REFINING CO	ARTESIA	395	NMD048918817
6	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	310	NM0890010515
7	PHILIPS SEMICONDUCTORS	ALBUQUERQUE	268	NMD000709782
8	HOLLOMAN AFB	HOLLOMAN AFB	223	NM6572124422
9	ROSWELL COMPRESSOR STATION	TATUM	72	NMR000002089
10	NOVABUS INCORPORATED	ROSWELL	68	NM0001001320
	TOTAL		**99,030**	

Top Ten Wastes Generated* : D001, D008, D002, D003, D007, D009, F003, D006, F005, F002

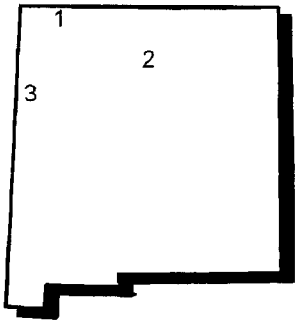
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	146	F Waste	125		
Corrosive	20	K Waste	653		
Reactive	2	P Waste	0		
Toxic (D004-17)	1,859	U Waste	5		
Toxic (D018-43)	94,751				
Characteristic Mixed	373	Listed Mixed	42		
TOTAL	**97,150**	**TOTAL**	**825**	**TOTAL Char. & Listed**	**1,498**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



NEW MEXICO

1997 WASTE MANAGEMENT

15	Total Number of RCRA TSD Facilities
189,509 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	GIANT REFINING COMPANY - BLOOMFIELD	BLOOMFIELD	189,490	NMD089416416
2	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	19	NM0890010515
3	FORT WINGATE ARMY DEPOT	GALLUP	0	NM6213820974
	TOTAL		**189,509**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D008, D003, D002, D006, D007, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in New Mexico were: deepwell / underground injection (189,490 tons); metals recovery - for reuse (13 tons); and stabilization (5 tons).

New Mexico Imports/Exports (As reported by New Mexico)

- New Mexico did not receive RCRA hazardous wastes from any other State.
- The State to which New Mexico shipped the largest quantity of waste was Texas (2,100 tons).

NOTE: Columns may not sum due to rounding.

NEW YORK

1997 WASTE GENERATION

2,772	Total Number of RCRA Large Quantity Generators (LQGs)

419,899 Tons	Total Quantity of RCRA Hazardous Waste Generated

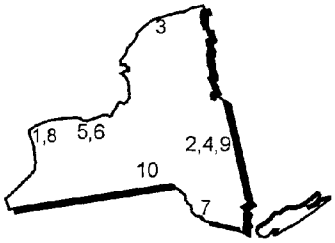


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	73,675	NYD049836679
2	SCHENECTADY INTERNATIONAL INC	ROTTERDAM JUNCTION	47,171	NYD002070118
3	ALUMINUM COMPANY OF AMERICA	MASSENA	39,259	NYD002232304
4	GENERAL ELECTRIC CO	WATERFORD	36,828	NYD002080034
5	EASTMAN KODAK COMPANY	ROCHESTER	35,040	NYD980592497
6	CITY OF ROCHESTER POLICE AND FIRE ACDY	ROCHESTER	19,704	NYD980535116
7	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	13,956	NYD030485288
8	OCCIDENTAL CHEMICAL CORP	NIAGARA FALLS	9,005	NYD000824482
9	FLOMATIC CORPORATION	NORTH HOOSICK	7,010	NYD002075620
10	BUCKBEE-MEARS CORTLAND	CORTLAND	6,810	NYD010783967
	TOTAL		**288,458**	

Top Ten Wastes Generated* : D001, D008, F003, D002, F005, D007, D018, D035, D009, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

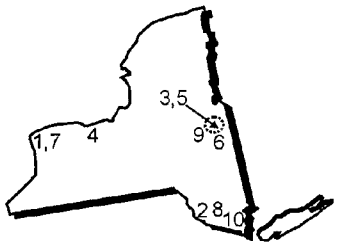
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	11,247	F Waste	55,998		
Corrosive	1,031	K Waste	16,855		
Reactive	235	P Waste	219		
Toxic (D004-17)	68,685	U Waste	2,143		
Toxic (D018-43)	59,676				
Characteristic Mixed	12,342	Listed Mixed	45,875		
TOTAL	**153,217**	**TOTAL**	**121,089**	**TOTAL Char. & Listed**	**145,523**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW YORK



1997 WASTE MANAGEMENT

73	Total Number of RCRA TSD Facilities
411,616 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	169,947	NYD049836679
2	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	134,210	NYD030485288
3	GENERAL ELECTRIC CO	WATERFORD	35,611	NYD002080034
4	EASTMAN KODAK COMPANY	ROCHESTER	32,259	NYD980592497
5	NORLITE CORPORATION	COHOES	22,104	NYD080469935
6	GENERAL ELECTRIC CO-PLASTICS	SELKIRK	6,212	NYD066832023
7	OCCIDENTAL CHEMICAL CORP	NIAGARA FALLS	3,099	NYD000824482
8	NEPERA INC	HARRIMAN	2,742	NYD002014595
9	SCHENECTADY INTERNATIONAL INC	ROTTERDAM JUNCTION	2,049	NYD002070118
10	LEDERLE LABS AMERICAN CYANAMID CO	PEARL RIVER	1,551	NYD054065909
	TOTAL		**409,785**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, F005, D008, D009, D007, D003, D006, F002, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in New York were: metals recovery - for reuse (126,245 tons); landfill (105,268 tons); and stabilization (94,827 tons).

New York Imports/Exports (As reported by New York)

- The State that shipped the largest quantity of waste to New York was New Jersey (25,933 tons).
- The State to which New York shipped the largest quantity of waste was Michigan (55,431 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA

1997 WASTE GENERATION

505	Total Number of RCRA Large Quantity Generators (LQGs)

66,501 Tons	Total Quantity of RCRA Hazardous Waste Generated

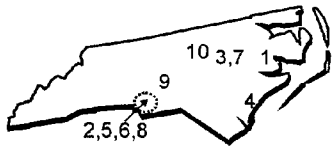


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GLAXO WELLCOME INC.	GREENVILLE	8,543	NCD047373766
2	AMERISTEEL CORPORATION	CHARLOTTE	5,196	NCD093340487
3	MALLINCKRODT CHEMICAL INC	RALEIGH	2,917	NCD042091975
4	OCCIDENTAL CHEMICAL CORPORATION	CASTLE HAYNE	2,656	NCD057454670
5	SAFETY-KLEEN CORP.	CHARLOTTE	2,441	NCD079060059
6	HERITAGE ENVIRONMENTAL SERVICES INC	CHARLOTTE	2,093	NCD121700777
7	TARHEEL WOOD TREATING CO INC	MORRISVILLE	1,585	NCD982077802
8	SUN CHEMICAL CHARLOTTE, NC	CHARLOTTE	1,277	NCD990868168
9	ALUMINUM COMPANY OF AMERICA /BADIN WORKS	BADIN	1,256	NCD003162542
10	GENERAL ELECTRIC COMPANY	MEBANE	1,231	NCD057037194
	TOTAL		**29,194**	

Top Ten Wastes Generated* : D001, F003, F005, D007, D008, D035, D002, F002, D006, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

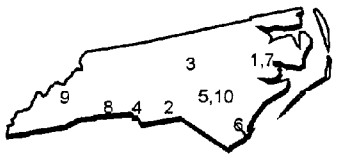
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	4,702	F Waste	9,864		
Corrosive	382	K Waste	9,087		
Reactive	79	P Waste	19		
Toxic (D004-17)	6,311	U Waste	273		
Toxic (D018-43)	876				
Characteristic Mixed	8,108	Listed Mixed	387		
TOTAL	**20,457**	**TOTAL**	**19,630**	**TOTAL Char. & Listed**	**26,414**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA



1997 WASTE MANAGEMENT

100	Total Number of RCRA TSD Facilities
15,674 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	GLAXO WELLCOME INC.	GREENVILLE	5,954	NCD047373766
2	CAROLINA SOLITE CORPORATION	NORWOOD	5,350	NCD003152642
3	MALLINCKRODT CHEMICAL INC	RALEIGH	2,642	NCD042091975
4	DETREX CORPORATION	CHARLOTTE	532	NCD049773245
5	CROFT METALS INC	LUMBER BRIDGE	404	NCD067200949
6	INTERNATIONAL PAPER CARTON PLANT #24	WILMINGTON	390	NCD072022726
7	FOUNTAIN POWERBOATS INC	WASHINGTON	110	NCD056750003
8	KEMET ELECTRONICS CORPORATION	SHELBY	60	NCD038547519
9	LEA INDUSTRIES	WAYNESVILLE	59	NCD066303728
10	E.I. DUPONT & CO. - FAYETTEVILLE WORKS	FAYETTEVILLE	43	NCD047368642
	TOTAL		**15,545**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F001, F003, F005, F002, D003, D035, U154, D007, D008

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in North Carolina were: energy recovery - reuse as fuel (7,992 tons); incineration (5,979 tons); and solvents recovery (1,217 tons).

North Carolina Imports/Exports (As reported by North Carolina)

- The State that shipped the largest quantity of waste to North Carolina was Virginia (2,765 tons).
- The State to which North Carolina shipped the largest quantity of waste was South Carolina (25,566 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 WASTE GENERATION

16	Total Number of RCRA Large Quantity Generators (LQGs)
2,686 Tons	Total Quantity of RCRA Hazardous Waste Generated

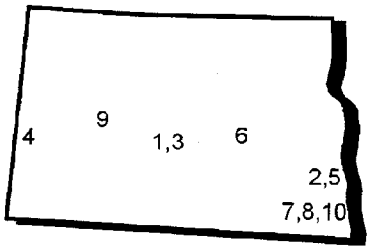


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	AMOCO OIL CO - MANDAN REFINERY	MANDAN	1,565	NDD006175467
2	SAFETY-KLEEN CORP - FARGO	FARGO	358	NDD000716738
3	SAFETY-KLEEN CORP - BISMARCK	BISMARCK	291	NDD980957070
4	WASTE RECOVERY SERVICES INC	BELFIELD	82	NDD982591794
5	HEALTH CARE INCINERATORS	FARGO	70	NDD167721265
6	LUCAS AEROSPACE CARGO SYSTEMS	JAMESTOWN	66	NDD053426565
7	IMATION CORP	WAHPETON	59	NDD084497775
8	INDUSTRIAL PLATING CORP	WAHPETON	39	NDD051439743
9	DAKOTA GASIFICATION CO	BEULAH	37	NDD000690594
10	WIL-RICH, A DIVISION OF TIC UNITED CORP	WAHPETON	36	NDD031875719
	TOTAL		**2,602**	

Top Ten Wastes Generated* : D001, D008, D007, D006, D035, D018, D039, F003, D040, D002

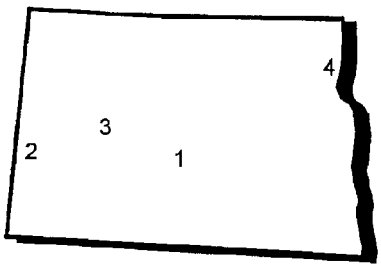
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	3	F Waste	33		
Corrosive	4	K Waste	12		
Reactive	0	P Waste	0		
Toxic (D004-17)	169	U Waste	0		
Toxic (D018-43)	56				
Characteristic Mixed	899	Listed Mixed	1,227		
TOTAL	**1,131**	**TOTAL**	**1,271**	**TOTAL Char. & Listed**	**283**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



NORTH DAKOTA

1997 WASTE MANAGEMENT

7	Total Number of RCRA TSD Facilities
1,188 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed* *	*EPA ID*
1	AMOCO OIL CO - MANDAN REFINERY	MANDAN	1,105	NDD006175467
2	WASTE RECOVERY SERVICES INC	BELFIELD	77	NDD982591794
3	DAKOTA GASIFICATION CO	BEULAH	4	NDD000690594
4	GRAND FORKS AIR FORCE BASE	GRAND FORKS	1	ND3571924759
	TOTAL		**1,188**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* :

D001, F003, F005, D007, D002, D008, D006, D009, D005, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in North Dakota were: sludge treatment (1,105 tons); fuel blending (61 tons); and incineration (9 tons).

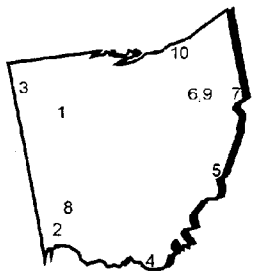
North Dakota Imports/Exports (As reported by North Dakota)

- The State that shipped the largest quantity of waste to North Dakota was Minnesota (126 tons).
- The State to which North Dakota shipped the largest quantity of waste was Illinois (936 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OHIO



1997 WASTE GENERATION

1,271	Total Number of RCRA Large Quantity Generators (LQGs)
1,693,247 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	BP CHEMICALS INC	LIMA	1,001,278	OHD042157644
2	AK STEEL CORPORATION MIDDLETOWN WORKS	MIDDLETOWN	114,688	OHD004234480
3	SYSTECH ENVIRONMENTAL CORP	PAULDING	61,049	OHD005048947
4	ARISTECH CHEMICAL CORPORATION	HAVERHILL	50,896	OHD005108477
5	CYTEC INDUSTRIES INC	MARIETTA	33,503	OHD004341509
6	REPUBLIC ENG STEELS CANTON PLANT	CANTON	25,432	OHD004228003
7	VON ROLL AMERICA, INC.	EAST LIVERPOOL	21,339	OHD980613541
8	CWM RESOURCE RECOVERY INC	WEST CARROLLTON	18,598	OHD093945293
9	TIMKEN COMPANY	CANTON	16,760	OHD004465100
10	HUKILL CHEMICAL CORPORATION	BEDFORD	15,473	OHD001926740
	TOTAL		**1,359,015**	

Top Ten Wastes Generated* : D001, F003, D008, F005, D007, D002, D035, D018, D006, F002

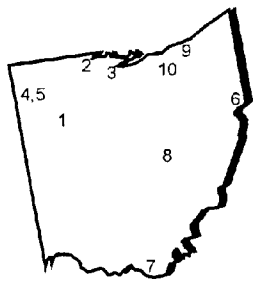
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	15,645	F Waste	16,225		
Corrosive	77,260	K Waste	948,097		
Reactive	88	P Waste	3		
Toxic (D004-17)	62,780	U Waste	2,608		
Toxic (D018-43)	20,209				
Characteristic Mixed	37,960	Listed Mixed	80,886		
TOTAL	**213,942**	**TOTAL**	**1,047,820**	**TOTAL Char. & Listed**	**431,485**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



OHIO

1997 WASTE MANAGEMENT

52	Total Number of RCRA TSD Facilities
1,739,368 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	BP CHEMICALS INC	LIMA	1,001,101	OHD042157644
2	ENVIROSAFE SERVICES OF OHIO INC	OREGON	213,669	OHD045243706
3	WASTE MANAGEMENT OF OHIO INC	VICKERY	126,722	OHD020273819
4	LAFARGE CORPORATION	PAULDING	56,247	OHD987048733
5	SYSTECH ENVIRONMENTAL CORP	PAULDING	53,557	OHD005048947
6	VON ROLL AMERICA, INC.	EAST LIVERPOOL	47,847	OHD980613541
7	ARISTECH CHEMICAL CORPORATION	HAVERHILL	43,408	OHD005108477
8	SAFETY-KLEEN CORP. - HEBRON	HEBRON	36,836	OHD980587364
9	HUKILL CHEMICAL CORPORATION	BEDFORD	34,442	OHD001926740
10	ROSS INCINERATION SERVICES INC	GRAFTON	26,560	OHD048415665
	TOTAL		**1,640,390**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D039, D001, D008, D040, F002, D018, D007, F003, D006, F005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Ohio were: deepwell / underground injection (1,047,083 tons); landfill (291,806 tons); and fuel blending (119,796 tons).

Ohio Imports/Exports (As reported by Ohio)

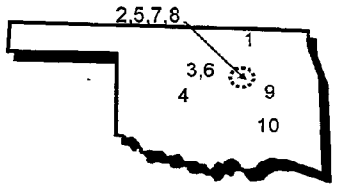
- The State that shipped the largest quantity of waste to Ohio was Pennsylvania (68,348 tons).
- The State to which Ohio shipped the largest quantity of waste was Michigan (108,240 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OKLAHOMA

1997 WASTE GENERATION



144	Total Number of RCRA Large Quantity Generators (LQGs)
315,296 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ZINC CORPORATION OF AMERICA	BARTLESVILLE	270,284	OKD000829440
2	SHEFFIELD STEEL CORPORATION	SAND SPRINGS	6,794	OKD007219181
3	MOORE BUSINESS FORMS/DOCUMENT SOLUTIONS	STILLWATER	4,284	OKD074274333
4	U.S. AIR FORCE TINKER AFB	TINKER AFB	3,886	OK1571724391
5	N. AMERICA GALVANIZING, TULSA #1	TULSA	2,646	OKD007218167
6	NATIONAL STANDARD COMPANY	STILLWATER	2,360	OKD065436180
7	BAKER PETROLITE	SAND SPRINGS	2,288	OKD072424104
8	SUN COMPANY INC	TULSA	1,942	OKD058078775
9	GREENWAY ENVIRONMENTAL, INC.	HASKELL	1,791	OKD089761290
10	MCALESTER ARMY AMMUNITION PLANT	MCALESTER	1,717	OK6213822798
	TOTAL		**297,991**	

Top Ten Wastes Generated* : D001, D008, D007, F003, F005, D006, D002, D018, D035, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

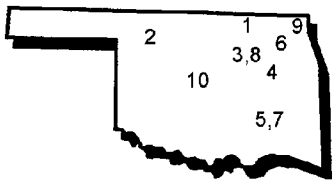
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	2,370	F Waste	3,065		
Corrosive	561	K Waste	1,806		
Reactive	1,522	P Waste	0		
Toxic (D004-17)	272,942	U Waste	1		
Toxic (D018-43)	1,999				
Characteristic Mixed	10,955	Listed Mixed	468		
TOTAL	**290,349**	**TOTAL**	**5,340**	**TOTAL Char. & Listed**	**19,526**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OKLAHOMA



1997 WASTE MANAGEMENT

41	Total Number of RCRA TSD Facilities
405,898 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	ZINC CORPORATION OF AMERICA	BARTLESVILLE	269,167	OKD000829440
2	LAIDLAW ENVIRONMENTAL SERVICES,INC LONE	WAYNOKA	121,592	OKD065438376
3	PERMA-FIX TREATMENT SERVICES, INC.	TULSA	6,773	OKD000402396
4	GREENWAY ENVIRONMENTAL, INC.	HASKELL	3,596	OKD089761290
5	TRICAT, INC.	MCALESTER	1,780	OKD987097151
6	NORIT AMERICAS INC. PRYOR PLANT	PRYOR	1,385	OKD987072006
7	MCALESTER ARMY AMMUNITION PLANT	MCALESTER	1,278	OK6213822798
8	AMERICAN AIRLINES M&E CENTER	TULSA	246	OKD001824564
9	EAGLE-PICHER IND., INC., EOM DEPT.	QUAPAW	66	OKD007158454
10	U.S. AIR FORCE TINKER AFB	TINKER AFB	14	OK1571724391
	TOTAL		**405,898**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, D007, F003, F005, D002, D006, D035, F002, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Oklahoma were: deepwell / underground injection (275,047 tons); landfill (67,468 tons); and stabilization (55,734 tons).

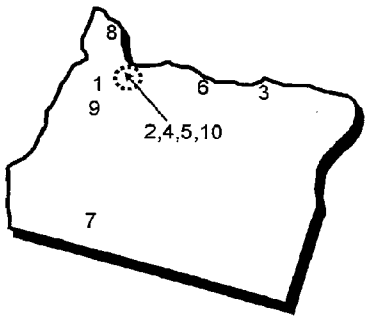
Oklahoma Imports/Exports (As reported by Oklahoma)

- The State that shipped the largest quantity of waste to Oklahoma was Minnesota (36,025 tons).
- The State to which Oklahoma shipped the largest quantity of waste was Texas (10,290 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OREGON



1997 WASTE GENERATION

203	Total Number of RCRA Large Quantity Generators (LQGs)
49,877 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CASCADE STEEL ROLLING MILLS INC	MCMINNVILLE	11,021	ORD045776432
2	OREGON STEEL MILLS INC	PORTLAND	7,205	ORD009106055
3	USA UMATILLA CHEMICAL DEPOT	HERMISTON	3,924	OR6213820917
4	MERIX CORP	FOREST GROVE	3,753	ORD980725592
5	TRIQUINT SEMICONDUCTOR INC	HILLSBORO	3,381	ORQ000005322
6	NORTHWEST ALUMINUM COMPANY	THE DALLES	2,948	ORD981764707
7	IMATION ENTERPRISES CORP	WHITE CITY	2,879	ORD041265372
8	FORT JAMES CORP RAINIER SAWMILL	RAINIER	1,975	ORQ000007286
9	PRAEGITZER INDUSTRIES INC	DALLAS	918	ORD049376189
10	YAMAMOTO MFG USA INC	BEAVERTON	874	ORD981773377
	TOTAL		**38,879**	

Top Ten Wastes Generated* : D001, F003, D008, D007, F005, D002, D035, D006, D018, F002

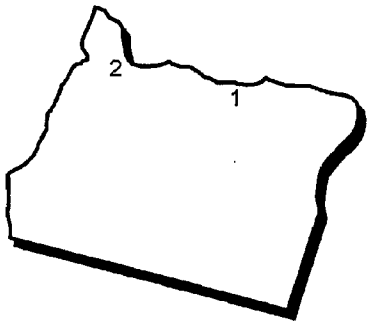
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	803	F Waste	6,195		
Corrosive	1,204	K Waste	21,333		
Reactive	130	P Waste	31		
Toxic (D004-17)	5,961	U Waste	98		
Toxic (D018-43)	120				
Characteristic Mixed	9,961	Listed Mixed	233		
TOTAL	**18,179**	**TOTAL**	**27,891**	**TOTAL Char. & Listed**	**3,798**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



OREGON

1997 WASTE MANAGEMENT

7	Total Number of RCRA TSD Facilities
32,150 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON	32,136	ORD089452353
2	TEKTRONIX INC BEAVERTON CAMPUS	BEAVERTON	14	ORD009020231
	TOTAL		**32,150**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D008, D007, D006, D004, D009, F006, D005, F032, F019, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Oregon were: landfill (22,326 tons); stabilization (8,708 tons); and other disposal specified in comments (1,102 tons).

Oregon Imports/Exports (As reported by Oregon)

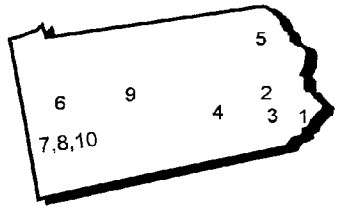
- The State that shipped the largest quantity of waste to Oregon was Washington (23,554 tons).
- The State to which Oregon shipped the largest quantity of waste was Idaho (11,385 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA

1997 WASTE GENERATION



1,042	Total Number of RCRA Large Quantity Generators (LQGs)
370,024 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ALLIEDSIGNAL INC FRANKFORD	PHILADELPHIA	41,358	PAD002312791
2	GENERAL BATTERY CORP READING COMPLEX	READING	20,211	PAD990753089
3	LUKENS INC COATESVILLE FAC	COATESVILLE	19,171	PAD002326908
4	BETHLEHEM STEEL STEELTON	STEELTON	17,061	PAD003026531
5	PRECISION NATIONAL PLATING SRVCS INC	CLARKS SUMMIT	13,583	PAD053676631
6	ARMCO INC LYNDORA	LYNDORA	13,246	PAD004325254
7	WORLDCLASS PROCESSING INC	AMBRIDGE	10,466	PAD987382108
8	ALLEGHENY LUDLUM BRACKENRIDGE	BRACKENRIDGE	10,234	PAD004335154
9	EAST PENN MFG CO	LYON STATION	10,178	PAD002330165
10	HERCULES INC JEFFERSON PLT	WEST ELIZABETH	9,352	PAD000606285
	TOTAL		**164,861**	

Top Ten Wastes Generated* : D001, D008, F003, D002, F005, D007, D018, D006, D035, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

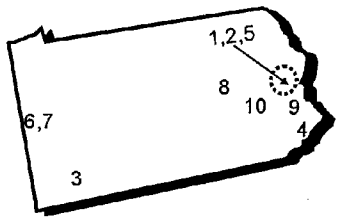
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	15,648	F Waste	28,135		
Corrosive	1,971	K Waste	112,841		
Reactive	281	P Waste	22		
Toxic (D004-17)	73,294	U Waste	1,547		
Toxic (D018-43)	5,971				
Characteristic Mixed	39,101	Listed Mixed	1,022		
TOTAL	**136,266**	**TOTAL**	**143,567**	**TOTAL Char. & Listed**	**89,940**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA



1997 WASTE MANAGEMENT

63	Total Number of RCRA TSD Facilities
496,136 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	HORSEHEAD RESOURCE DVLPT PALMERTON	PALMERTON	109,106	PAD002395887
2	KEYSTONE CEMENT CO	BATH	54,614	PAD002389559
3	MILL SERVICE INC YUKON	YUKON	48,284	PAD004835146
4	ALLIEDSIGNAL INC FRANKFORD	PHILADELPHIA	40,527	PAD002312791
5	HARCROS PIGMENTS INC	EASTON	40,489	PAD002391548
6	MEDUSA CEMENT CO	WAMPUM	36,520	PAD083965897
7	INMETCO INC	ELLWOOD CITY	34,496	PAD087561015
8	WORLD RESOURCES CO	POTTSVILLE	25,690	PAD981038227
9	REPUBLIC ENVIRONMENTAL SYS PA	HATFIELD	23,741	PAD085690592
10	GENERAL BATTERY CORP READING COMPLEX	READING	22,624	PAD990753089
	TOTAL		**436,091**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D009, F006, D002, D008, D001, D018, D006, F002, D007, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Pennsylvania were: metals recovery - for reuse (201,613 tons); energy recovery - reuse as fuel (146,419 tons); and stabilization (80,686 tons).

Pennsylvania Imports/Exports (As reported by Pennsylvania)

- The State that shipped the largest quantity of waste to Pennsylvania was New Jersey (79,890 tons).
- The State to which Pennsylvania shipped the largest quantity of waste was Ohio (71,141 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PUERTO RICO

1997 WASTE GENERATION

106	Total Number of RCRA Large Quantity Generators (LQGs)

54,120 Tons	Total Quantity of RCRA Hazardous Waste Generated

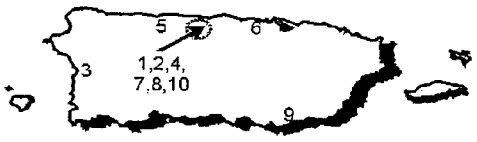


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ABBOTT CHEMICAL PLANT SOUTH	BARCELONETA	9,846	PRD987374451
2	DUPONT AGRICHEMICALS CARIBE, INC.	MANATI	6,911	PRD981130131
3	ELI LILLY INDUSTRIES, INC.	MAYAGUEZ	6,538	PRD091024786
4	PFIZER PHARMACEUTICALS INC	BARCELONETA	5,923	PRD090346909
5	THE UPJOHN MANUFACTURING	ARECIBO	5,544	PRD090398074
6	MANUEL DEL VALLE INC.	TOA BAJA	5,000	PRD982791220
7	MERCK SHARP & DOHME QUIMICA	BARCELONETA	3,623	PRD090028101
8	SHERING INDUSTRIAL DEVELOPMENT	MANATI	1,547	PRD090139536
9	PHILLIPS PUERTO RICO CORE INC.	GUAYAMA	1,005	PRD991291972
10	BRISTOL MYERS BARCELONETA	BARCELONETA	887	PRD090036021
	TOTAL		**46,822**	

Top Ten Wastes Generated* : D001, F003, D002, F005, D008, F002, D009, D003, D007, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

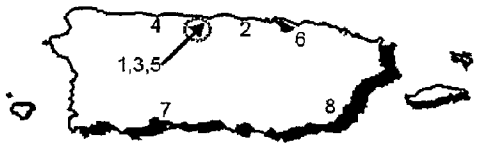
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	7,445	F Waste	4,250		
Corrosive	32	K Waste	81		
Reactive	20	P Waste	43		
Toxic (D004-17)	863	U Waste	3		
Toxic (D018-43)	70				
Characteristic Mixed	7,581	Listed Mixed	258		
TOTAL	**16,011**	**TOTAL**	**4,635**	**TOTAL Char. & Listed**	**33,459**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PUERTO RICO



1997 WASTE MANAGEMENT

28	Total Number of RCRA TSD Facilities
70,188 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	SAFETY KLEEN ENVIRONSYSTEMS CO.	MANATI	32,619	PRD090399718
2	SAFETY KLEEN ENVIRONSYSTEMS (DORADO)	DORADO	32,082	PRD981182421
3	MERCK SHARP & DOHME QUIMICA	BARCELONETA	3,559	PRD090028101
4	THE UPJOHN MANUFACTURING	ARECIBO	1,800	PRD090398074
5	NYCOMED P.R. INC.	BARCELONETA	69	PRD991291949
6	ISLAND LITHO CORP.	BAYAMON	29	PRD090466996
7	UNION CARBIDE CARIBE INC.	PENUELAS	25	PRD980594618
8	PUERTO RICO SUN OIL CO.	YABUCOA	5	PRD090074071
	TOTAL		**70,188**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F003, D018, F005, F002, D008, D007, D035, F001, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Puerto Rico were: fuel blending (51,523 tons); solvents recovery (14,859 tons); and incineration (3,629 tons).

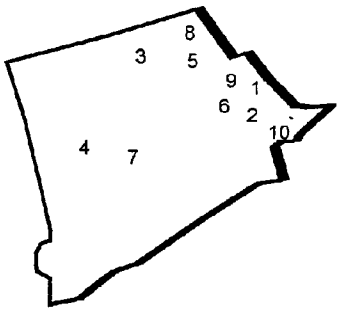
Puerto Rico Imports/Exports (As reported by Puerto Rico)

- The State that shipped the largest quantity of waste to Puerto Rico was Virgin Islands (38 tons).
- The State to which Puerto Rico shipped the largest quantity of waste was South Carolina (20,220 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND



1997 WASTE GENERATION

107	Total Number of RCRA Large Quantity Generators (LQGs)

11,643 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MOBIL OIL CORP- EAST PROV. TERMINAL	EAST PROVIDENCE	4,670	RID001202050
2	21ST CENTURY ENVIRONMENTAL MGMT. OF RI	WARWICK	994	RID980906986
3	NEW ENGLAND CONTAINER	SMITHFIELD	506	RID048976732
4	HOECHST CELANESE CORPORATION	COVENTRY	380	RID001805670
5	OSRAM SYLVANIA	CENTRAL FALLS	376	RID001198605
6	CHEM-PAK CORPORATION	CRANSTON	368	RID084802842
7	ARKWRIGHT, INC.	COVENTRY (FISKVILLE)	293	RID058065707
8	AIR PRODUCTS AND CHEMICALS INC.	CUMBERLAND	239	RID062310230
9	UNION INDUSTRIES INC.	PROVIDENCE	214	RID075704999
10	NAVAL UNDERSEA WARFARE CENTER	NEWPORT	212	RI8170024790
	TOTAL		**8,251**	

Top Ten Wastes Generated* : D001, D002, D008, F003, D007, D003, D006, D011, F005, D035

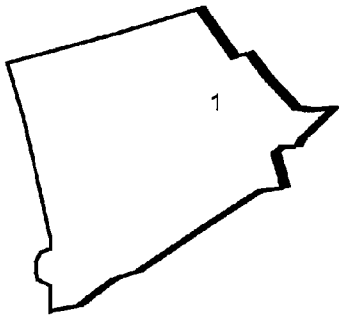
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	713	F Waste	1,035		
Corrosive	145	K Waste	0		
Reactive	32	P Waste	1		
Toxic (D004-17)	957	U Waste	10		
Toxic (D018-43)	213				
Characteristic Mixed	5,422	Listed Mixed	1		
TOTAL	**7,482**	**TOTAL**	**1,047**	**TOTAL Char. & Listed**	**3,096**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



RHODE ISLAND

1997 WASTE MANAGEMENT

3	Total Number of RCRA TSD Facilities
3,840 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Manager and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	CHEM-PAK CORPORATION	CRANSTON	3,840	RID084802842
	TOTAL		**3,840**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D001, F003, F005, F002, D039, F001, D040, D035

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Rhode Island were: fuel blending (2,893 tons); solvents recovery (943 tons); and incineration (4 tons).

Rhode Island Imports/Exports (As reported by Rhode Island)

- The State that shipped the largest quantity of waste to Rhode Island was Massachusetts (20,387 tons).
- The State to which Rhode Island shipped the largest quantity of waste was Michigan (1,938 tons).

NOTE: Columns may not sum due to rounding.

SOUTH CAROLINA

1997 WASTE GENERATION

341	Total Number of RCRA Large Quantity Generators (LQGs)
10,793 Tons	Total Quantity of RCRA Hazardous Waste Generated

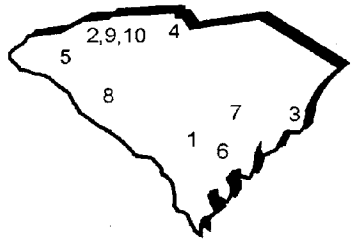


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ALBEMARLE CORP ORANGEBURG PLT	ORANGEBURG	3,183	SCD043384072
2	SAFETY KLEEN ROEBUCK INC	ROEBUCK	2,456	SCD981467616
3	3V INC	GEORGETOWN	2,270	SCD980500052
4	PETRO CHEM SC	ROCK HILL	749	SCD044442333
5	CAROLINA PLATING WORKS INC	GREENVILLE	708	SCD003351996
6	GIANT CEMENT COMPANY	HARLEYVILLE	375	SCD003351699
7	LAIDLAW ENV SVS OF SC INC	PINEWOOD	212	SCD070375985
8	GREENWOOD PLATING INC	GREENWOOD	150	SCD981920374
9	SYBRON CHEMICALS INC	WELLFORD	146	SCD078057031
10	REEVES BROTHERS PBG USA	SPARTANBURG	102	SCD062706767
	TOTAL		**10,350**	

Top Ten Wastes Generated* : D001, F003, D008, F005, D002, D007, D006, F002, D009, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

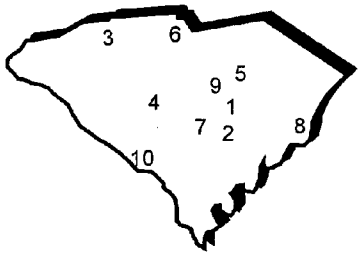
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	33	F Waste	1,313		
Corrosive	891	K Waste	0		
Reactive	7	P Waste	6		
Toxic (D004-17)	1,120	U Waste	31		
Toxic (D018-43)	10				
Characteristic Mixed	60	Listed Mixed	0		
TOTAL	**2,121**	**TOTAL**	**1,349**	**TOTAL Char. & Listed**	**7,322**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA



1997 WASTE MANAGEMENT

22	Total Number of RCRA TSD Facilities
302,472 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	LAIDLAW ENV SVS OF SC INC	PINEWOOD	142,052	SCD070375985
2	SAFETY KLEEN SYSTEMS INC HOLLY HILL	HOLLY HILL	56,079	SCD003368891
3	SAFETY KLEEN ROEBUCK INC	ROEBUCK	31,542	SCD981467616
4	SAFETY KLEEN SYSTEMS INC LEXINGTON	LEXINGTON	23,151	SCD077995488
5	SOUTHEASTERN CHEMICALS & SOLVENTS CO	SUMTER	22,466	SCD036275626
6	PETRO CHEM SC	ROCK HILL	21,886	SCD044442333
7	ALBEMARLE CORP ORANGEBURG PLT	ORANGEBURG	3,183	SCD043384072
8	3V INC	GEORGETOWN	2,099	SCD980500052
9	USAF-POINSETT ELECTRONIC COMBAT RANGE	WEDGEFIELD	11	SC9570090002
10	DOE/WSRC SAVANNAH RIVER SITE	JACKSON	2	SC1890008989
	TOTAL		**302,472**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, D018, F005, D006, F003, D039, D027, D022, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in South Carolina were: landfill (142,052 tons); incineration (90,815 tons); and solvents recovery (45,616 tons).

South Carolina Imports/Exports (As reported by South Carolina)

- The State that shipped the largest quantity of waste to South Carolina was Georgia (131,274 tons).
- South Carolina did not ship RCRA hazardous wastes to any other State.

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE GENERATION

21	Total Number of RCRA Large Quantity Generators (LQGs)

948 Tons	Total Quantity of RCRA Hazardous Waste Generated

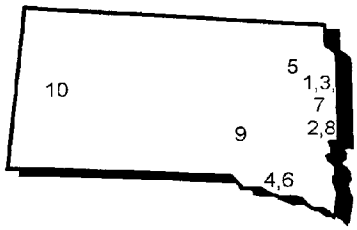


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	3M BOOKINGS MEDICAL/SURGICAL DIVISION	BROOKINGS	309	SDD078668696
2	SAFETY-KLEEN CORP.	SIOUX FALLS	276	SDD000716696
3	STAR CIRCUITS, INC.	BROOKINGS	68	SDD981545577
4	ALUMAX EXTRUSIONS, INC.	YANKTON	61	SDD096407838
5	ANGUS INDUSTRIES, INC. DBA ANGUS-PALM	WATERTOWN	59	SDD982596942
6	DALE ELECTRONICS, INC.	YANKTON	22	SDD007262215
7	DAKTRONICS, INC.	BROOKINGS	22	SDD049521511
8	STARMARK, INCORPORATED	SIOUX FALLS	17	SDD094698321
9	TRAIL KING INDUSTRIES, INC.	MITCHELL	16	SDD982649766
10	ELLSWORTH AIR FORCE BASE	ELLSWORTH AFB	15	SD2571924644
	TOTAL		**866**	

Top Ten Wastes Generated* : D001, D008, F003, D018, D039, F005, D007, D040, D035, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	45	F Waste	138		
Corrosive	1	K Waste	0		
Reactive	0	P Waste	0		
Toxic (D004-17)	37	U Waste	0		
Toxic (D018-43)	7				
Characteristic Mixed	335	Listed Mixed	0		
TOTAL	**424**	**TOTAL**	**138**	**TOTAL Char. & Listed**	**385**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE MANAGEMENT

2	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in South Dakota that reported managing (treating or disposing) RCRA hazardous waste.

* Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

South Dakota Imports/Exports (As reported by South Dakota)

- The State that shipped the largest quantity of waste to South Dakota was Minnesota (55 tons).
- The State to which South Dakota shipped the largest quantity of waste was Minnesota (385 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE GENERATION

461	Total Number of RCRA Large Quantity Generators (LQGs)
745,458 Tons	Total Quantity of RCRA Hazardous Waste Generated

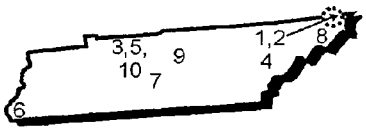


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	177,517	TND003376928
2	UNISYS EARHART SITE, BRISTOL, TN	BRISTOL	126,418	TND982139115
3	ALLTRISTA ZINC PRODUCTS L.P.	GREENEVILLE	120,187	TND053983862
4	YALE SECURITY INC.	LENOIR CITY	79,517	TND095050019
5	LAIDLAW ENVIRONMENTAL SERVICES OF NASHVI	NASHVILLE	49,737	TND981922826
6	REFINED METALS CORPORATION	MEMPHIS	25,572	TND067690040
7	GENERAL SMELTING & REFINING, INC.	COLLEGE GROVE	24,283	TND004048690
8	SNAP-ON TOOLS CORPORATION	JOHNSON CITY	16,982	TND071530620
9	ROBERTSHAW TENNESSEE	CARTHAGE	15,988	TND980709950
10	SAFETY-KLEEN (TS) INC	GREENBRIER	8,884	TND000645770
	TOTAL		**645,086**	

Top Ten Wastes Generated* : D001, D008, D002, D007, F003, D006, F005, D009, D004, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

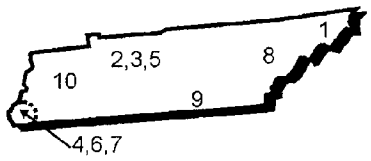
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	2,826	F Waste	318,251		
Corrosive	27,129	K Waste	7,508		
Reactive	885	P Waste	305		
Toxic (D004-17)	77,088	U Waste	127,245		
Toxic (D018-43)	1,557				
Characteristic Mixed	127,956	Listed Mixed	168		
TOTAL	**237,440**	**TOTAL**	**453,477**	**TOTAL Char. & Listed**	**54,210**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE



1997 WASTE MANAGEMENT

30	Total Number of RCRA TSD Facilities
403,094 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	176,053	TND003376928
2	LAIDLAW ENVIRONMENTAL SERVICES OF NASHVI	NASHVILLE	135,149	TND981922826
3	SAFETY KLEEN (WT) INC	ANTIOCH	35,232	TND000772277
4	REFINED METALS CORPORATION	MEMPHIS	30,380	TND067690040
5	SAFETY-KLEEN (TS) INC	GREENBRIER	9,143	TND000645770
6	SAFETY-KLEEN SERVICES (GS) INC	MILLINGTON	6,862	TND000614321
7	VELSICOL CHEMICAL	MEMPHIS	2,612	TND007024664
8	US DEPT OF ENERGY E TN TECHNOLOGY PARK	OAK RIDGE	1,314	TN0890090004
9	VELSICOL CHEMICAL CORP	CHATTANOOGA	1,281	TND061314803
10	MILAN ARMY AMMUNITION PLANT	MILAN	791	TN0210020582
	TOTAL		**398,816**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, D018, D006, D007, D002, F003, D039, F005, D040

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Tennessee were: incineration (189,425 tons); other disposal specified in comments (174,486 tons); and landfill (38,576 tons).

Tennessee Imports/Exports (As reported by Tennessee)

- The State that shipped the largest quantity of waste to Tennessee was Mississippi (11,852 tons).
- The State to which Tennessee shipped the largest quantity of waste was Texas (9,877 tons).

NOTE: Columns may not sum due to rounding.

TEXAS

1997 WASTE GENERATION

1,219	Total Number of RCRA Large Quantity Generators (LQGs)
18,973,406 Tons	Total Quantity of RCRA Hazardous Waste Generated

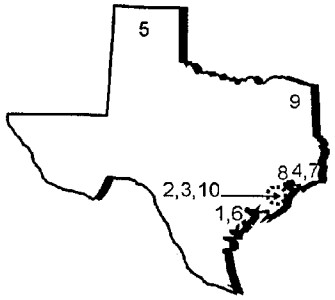


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	4,296,699	TXD008123317
2	TEXAS CITY REFINERY - AMOCO OIL CO	TEXAS CITY	2,646,383	TXD008080533
3	CHOCOLATE BAYOU PLANT	ALVIN	2,607,584	TXD001700806
4	BEAUMONT WORKS	BEAUMONT	1,391,542	TXD008081101
5	DIAMOND SHAMROCK REFINING COMPANY - MCKE	SUNRAY	1,332,422	TXD059685339
6	GREEN LAKE FACILITY	BLOOMINGTON	1,110,873	TXD000751172
7	SABINE RIVER WORKS	ORANGE	980,377	TXD008079642
8	MERICHEM - SASOL USA LLC.	HOUSTON	552,486	TXD008106999
9	EASTMAN CHEMICAL COMPANY	LONGVIEW	484,849	TXD007330202
10	STERLING CHEMICALS, INC.	TEXAS CITY	469,544	TXD008079527
	TOTAL		**15,872,760**	

Top Ten Wastes Generated* : D001, D002, F003, D008, D007, D018, F005, D006, D035, F002

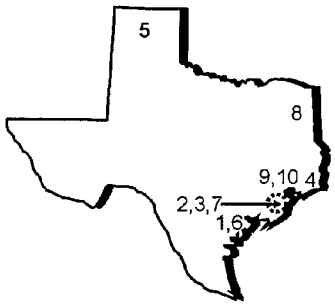
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	669,347	F Waste	227,766		
Corrosive	1,366,902	K Waste	1,971,235		
Reactive	190	P Waste	937		
Toxic (D004-17)	151,895	U Waste	579,287		
Toxic (D018-43)	4,222,176				
Characteristic Mixed	5,351,668	Listed Mixed	1,170,390		
TOTAL	**11,762,179**	**TOTAL**	**3,949,615**	**TOTAL Char. & Listed**	**3,261,612**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



TEXAS

1997 WASTE MANAGEMENT

135	Total Number of RCRA TSD Facilities
17,371,102 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed* *	*EPA ID*
1	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	4,305,035	TXD008123317
2	CHOCOLATE BAYOU PLANT	ALVIN	2,607,238	TXD001700806
3	TEXAS CITY REFINERY - AMOCO OIL CO	TEXAS CITY	2,606,101	TXD008080533
4	BEAUMONT WORKS	BEAUMONT	1,619,091	TXD008081101
5	DIAMOND SHAMROCK REFINING COMPANY - MCKE	SUNRAY	1,330,088	TXD059685339
6	GREEN LAKE FACILITY	BLOOMINGTON	1,110,166	TXD000751172
7	STERLING CHEMICALS, INC.	TEXAS CITY	1,004,873	TXD008079527
8	EASTMAN CHEMICAL COMPANY	LONGVIEW	484,817	TXD007330202
9	CELANESE LTD. CLEAR LAKE PLANT	PASADENA	403,475	TXD078432457
10	ARCO CHEMICAL	CHANNELVIEW	361,061	TXD083472266
	TOTAL		**15,831,945**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D002, D018, D007, D008, F001, D006, F003, F002, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Texas were: deepwell / underground injection (15,392,169 tons); incineration (634,507 tons); and energy recovery - reuse as fuel (544,131 tons).

Texas Imports/Exports (As reported by Texas)

- The State that shipped the largest quantity of waste to Texas was Louisiana (21,591 tons).
- The State to which Texas shipped the largest quantity of waste was Louisiana (73,017 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE GENERATION

3	Total Number of RCRA Large Quantity Generators (LQGs)

1,101 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	JOHNSTON ATOLL CHEMICAL AGENT DISPOSAL	APO	1,024	TT0570090001
2	USARMY KWAJALEIN ATOLL	REPUBLIC MARSHALL IS	59	TT5210090002
3	DEFENSE SPECIAL WEAPONS AGENCY	APO	19	TT9570090002
	TOTAL		1,101	

Top Ten Wastes Generated* : D001, D003, D008, D006, D007, D002, D018, D035, F002, F003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	12	F Waste	0		
Corrosive	1	K Waste	0		
Reactive	533	P Waste	0		
Toxic (D004-17)	481	U Waste	0		
Toxic (D018-43)	1				
Characteristic Mixed	20	Listed Mixed	0		
TOTAL	**1,048**	**TOTAL**	**1**	**TOTAL Char. & Listed**	**53**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities

524 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Manager and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	JOHNSTON ATOLL CHEMICAL AGENT DISPOSAL	APO	524	TT0570090001
	TOTAL		**524**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : D003, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Management Method

- The top management method used in Trust Territories was incineration (524 tons).

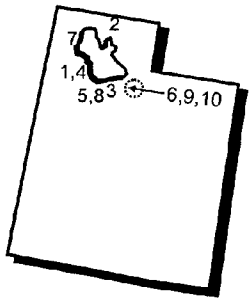
Trust Territories Imports/Exports (As reported by Trust Territories)

- Trust Territories did not receive RCRA hazardous wastes from any other State.
- The State to which Trust Territories shipped the largest quantity of waste was California (588 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

UTAH



1997 WASTE GENERATION

89	Total Number of RCRA Large Quantity Generators (LQGs)

78,555 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	LAIDLAW ENVIRONMENTAL SERVICES-ARAGONITE	ARAGONITE	25,120	UTD981552177
2	NUCOR STEEL	PLYMOUTH	18,496	UTD021533054
3	KENNECOTT UTAH COPPER-SMELTER	MAGNA	10,448	UTD000826446
4	LAIDLAW ENVIRONMENTAL SERVICES (CLIVE)	CLIVE	5,918	UTD982595795
5	DESERET CHEMICAL DEPOT	TOOELE	3,339	UT5210090002
6	ALLIANT TECHSYSTEMS, INC - BACCHUS WORKS	WEST VALLEY CITY	1,620	UTD001705029
7	HILL AIR FORCE BASE, HILL, UTAH	HILL AIR FORCE BASE	1,450	UT0571724350
8	TOOELE ARMY DEPOT	TOOELE	1,406	UT3213820894
9	COMPEQ INTERNATIONAL	SALT LAKE CITY	1,209	UTD988070215
10	AMOCO SALT LAKE CITY REFINERY	SALT LAKE CITY	1,052	UTD000826362
	TOTAL		**70,057**	

Top Ten Wastes Generated* : D001, D007, F003, D006, D008, F005, D005, F002, D004, D035

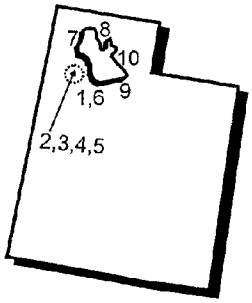
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	163	F Waste	1,883		
Corrosive	643	K Waste	18,609		
Reactive	1,287	P Waste	23		
Toxic (D004-17)	13,128	U Waste	15		
Toxic (D018-43)	231				
Characteristic Mixed	29,235	Listed Mixed	936		
TOTAL	**44,687**	**TOTAL**	**21,466**	**TOTAL Char. & Listed**	**12,399**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



UTAH

1997 WASTE MANAGEMENT

20	Total Number of RCRA TSD Facilities
325,888 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	TOOELE ARMY DEPOT	TOOELE	201,521	UT3213820894
2	LAIDLAW ENV. SERVICES (LONE & GRASSY MTN	CLIVE	52,807	UTD991301748
3	LAIDLAW ENVIRONMENTAL SERVICES-ARAGONITE	ARAGONITE	35,521	UTD981552177
4	LAIDLAW ENVIRONMENTAL SERVICES (CLIVE)	CLIVE	24,409	UTD982595795
5	ENVIROCARE OF UTAH, INC.	CLIVE	7,075	UTD982598898
6	DESERET CHEMICAL DEPOT	TOOELE	2,662	UT5210090002
7	UTAH TEST AND TRAINING RANGE, U.S.A.F.	BOX ELDER COUNTY	1,025	UT0570090001
8	THIOKOL CORP/PROMONTORY	PROMONTORY	582	UTD009081357
9	ALLIANT TECHSYSTEMS, INC - BACCHUS WORKS	WEST VALLEY CITY	286	UTD001705029
10	ASHLAND CHEMICAL,CO.	CLEARFIELD	0	UTD048406144
	TOTAL		**325,888**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D007, D008, D006, D005, D004, F003, D002, F002, F005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Utah were: deepwell / underground injection (200,167 tons); incineration (64,169 tons); and stabilization (37,199 tons).

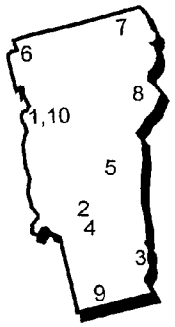
Utah Imports/Exports (As reported by Utah)

- The State that shipped the largest quantity of waste to Utah was California (16,723 tons).
- The State to which Utah shipped the largest quantity of waste was Idaho (15,542 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT



1997 WASTE GENERATION

65	Total Number of RCRA Large Quantity Generators (LQGs)
4,064 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	IBM CORPORATION	ESSEX JCT	1,089	VTD002084705
2	GE AIRCRAFT ENGINES	RUTLAND	587	VTD002085108
3	C.E. BRADLEY LABORATORIES, INC.	BRATTLEBORO	539	VTD001086529
4	GE AIRCRAFT ENGINES	NORTH CLARENDON	500	VTD001075894
5	VERMONT CASTINGS, INC.	BETHEL	156	VTD039697347
6	BERTEK, INC	ST ALBANS	118	VTD099682494
7	ETHAN ALLEN, INC., ORLEANS DIVISION	ORLEANS	77	VTD001082841
8	GREENFIELD INDUSTRIES	LYNDONVILL	68	VTD001080126
9	EVEREADY BATTERY CO., INC.	BENNINGTON	67	VTD002065597
10	BURLINGTON TERMINAL	BURLINGTON	62	VTD000791871
	TOTAL		**3,263**	

Top Ten Wastes Generated* : D001, D008, F003, F005, D007, D018, D002, D035, D006, D009

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	252	F Waste	690		
Corrosive	20	K Waste	0		
Reactive	15	P Waste	4		
Toxic (D004-17)	922	U Waste	141		
Toxic (D018-43)	49				
Characteristic Mixed	511	Listed Mixed	2		
TOTAL	**1,770**	**TOTAL**	**837**	**TOTAL Char. & Listed**	**1,457**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT

1997 WASTE MANAGEMENT

5	Total Number of RCRA TSD Facilities

0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in Vermont that reported managing (treating or disposing) RCRA hazardous waste.

* Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

Vermont Imports/Exports (As reported by Vermont)

- The State that shipped the largest quantity of waste to Vermont was Massachusetts (273 tons).
- The State to which Vermont shipped the largest quantity of waste was New York (1,491 tons).

NOTE: Columns may not sum due to rounding.

VIRGIN ISLANDS

1997 WASTE GENERATION

2	Total Number of RCRA Large Quantity Generators (LQGs)
2,811 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	HESS OIL VIRGIN ISLANDS CORP.	KINGSHILLST. CROIX	2,810	VID980536080
2	TEXACO CARIBBEAN INC ST. THOMAS TERMINAL	ST. THOMAS	1	VID980536064
	TOTAL		**2,811**	

Top Ten Wastes Generated* : D001, D018, D004, D007, D008, F037, F038, K049, K050, K051

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	3	F Waste	329		
Corrosive	0	K Waste	46		
Reactive	0	P Waste	0		
Toxic (D004-17)	310	U Waste	0		
Toxic (D018-43)	696				
Characteristic Mixed	516	Listed Mixed	670		
TOTAL	**1,525**	**TOTAL**	**1,044**	**TOTAL Char. & Listed**	**241**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities
659 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Manager and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	HESS OIL VIRGIN ISLANDS CORP.	KINGSHILLST. CROIX	659	VID980536080
	TOTAL		**659**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed* : F037, F038, K049, K050, K051

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Management Method

- The top management method used in Virgin Islands was land treatment / application / farming (659 tons).

Virgin Islands Imports/Exports (As reported by Virgin Islands)

- Virgin Islands did not receive RCRA hazardous wastes from any other State.
- The State to which Virgin Islands shipped the largest quantity of waste was Texas (1,473 tons).

NOTE: Columns may not sum due to rounding.

VIRGINIA

1997 WASTE GENERATION

329	Total Number of RCRA Large Quantity Generators (LQGs)
57,395 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	E. I. DUPONT DE NEMOURS	FRONT ROYAL	7,936	VAD980554539
2	ROANOKE ELECTRIC STEEL CORP	ROANOKE	7,405	VAD003122553
3	ALLIED SIGNAL INC	HOPEWELL	4,123	VAD065385296
4	PRILLAMAN CHEMICAL CORP	MARTINSVILLE	3,917	VAD003111416
5	MERCK & CO., INC.	ELKTON	2,757	VAD001705110
6	COMMANDER, NAVAL BASE, NORFOLK	NORFOLK	2,006	VA6170061463
7	AUTOMATA INC	STERLING	1,622	VAD981034895
8	GRIFFIN PIPE PRODUCTS CO.	LYNCHBURG	1,394	VAD065417008
9	HICKSON DANCHEM CORP	DANVILLE	1,107	VAD988170684
10	FORD MOTOR COMPANY - NORFOLK ASSEMBLY PL	NORFOLK	1,084	VAD003177391
	TOTAL		**33,351**	

Top Ten Wastes Generated* : D001, D008, F003, D002, D007, F005, D035, D006, D018, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

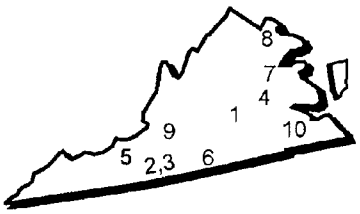
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	5,169	F Waste	5,157		
Corrosive	1,446	K Waste	7,649		
Reactive	582	P Waste	0		
Toxic (D004-17)	3,966	U Waste	161		
Toxic (D018-43)	514				
Characteristic Mixed	17,570	Listed Mixed	70		
TOTAL	**29,247**	**TOTAL**	**13,038**	**TOTAL Char. & Listed**	**15,088**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGINIA



1997 WASTE MANAGEMENT

32	Total Number of RCRA TSD Facilities
47,737 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	City	Tons of Waste Managed *	EPA ID
1	SOLITE CORP - AF OLD PLT	ARVONIA	19,027	VAD042755082
2	VIRGINIA SOLITE CO	CASCADE	18,685	VAD046970521
3	PRILLAMAN CHEMICAL CORP	MARTINSVILLE	5,608	VAD003111416
4	ALLIED SIGNAL INC	HOPEWELL	3,954	VAD065385296
5	RADFORD ARMY AMMUNITION PLANT	RADFORD	337	VA1210020730
6	COOK COMPOSITES & POLYMER CO.	CHATHAM	39	VAD055046049
7	NAVAL SURFACE WARFARE CENTER DAHLGREN	DAHLGREN	38	VA7170024684
8	ATLANTIC RESERACH CORP GAINESVILLE	GAINESVILLE	16	VAD023741705
9	ASHLAND ROANOKE	ROANOKE	13	VAD062373600
10	NAVAL WEAPONS STATION YORKTOWN	YORKTOWN	13	VA8170024170
	TOTAL		47,730	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : F003, F005, D001, F002, F001, D008, D035, D003, D007, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Virginia were: energy recovery - reuse as fuel (37,751 tons); solvents recovery (5,608 tons); and incineration (4,291 tons).

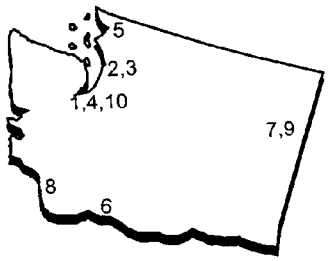
Virginia Imports/Exports (As reported by Virginia)

- The State that shipped the largest quantity of waste to Virginia was New Jersey (7,627 tons).
- The State to which Virginia shipped the largest quantity of waste was South Carolina (13,515 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WASHINGTON



1997 WASTE GENERATION

595	Total Number of RCRA Large Quantity Generators (LQGs)
126,601 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	BOEING AUBURN	AUBURN	17,672	WAD041337130
2	USN PSNS BREMERTON	BREMERTON	12,005	WA2170023418
3	BIRMINGHAM STEEL CORP SEATTLE DIVISION	SEATTLE	11,433	WAD988487583
4	WESTERN PROCESSING CO INC	KENT	9,081	WAD980724520
5	INTALCO ALUMINUM CORP FERNDALE	FERNDALE	8,686	WAD009488131
6	GOLDENDALE ALUMINUM CO	GOLDENDALE	6,529	WAD990828642
7	USAF FAIRCHILD AFB	SPOKANE	6,503	WA9571924647
8	TRIPOINT	VANCOUVER	3,539	WA0000894287
9	KAISER ALUMINUM & CHEMICAL CORP MEAD	MEAD	3,528	WAD000065508
10	US DOE NRO HAUSER PROPERTY SITE	DES MOINES	2,670	WAH000001479
	TOTAL		**81,646**	

Top Ten Wastes Generated* : D001, D008, D007, D006, D005, D002, F003, F005, D009, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

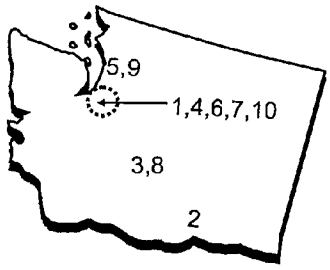
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	801	F Waste	16,618		
Corrosive	301	K Waste	37,788		
Reactive	330	P Waste	90		
Toxic (D004-17)	51,043	U Waste	1,233		
Toxic (D018-43)	845				
Characteristic Mixed	7,807	Listed Mixed	3		
TOTAL	**61,127**	**TOTAL**	**55,732**	**TOTAL Char. & Listed**	**9,742**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WASHINGTON



1997 WASTE MANAGEMENT

30	Total Number of RCRA TSD Facilities
49,157 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	BOEING AUBURN	AUBURN	15,825	WAD041337130
2	US DEPT OF ENERGY	RICHLAND	10,925	WA7890008967
3	BAY ZINC CO INC	MOXEE CITY	9,307	WAD027530526
4	BURLINGTON ENVIRONMENTAL INC KENT	KENT	5,542	WAD991281767
5	BURLINGTON ENVIRONMENTAL INC GEORGE	SEATTLE	4,646	WAD000812909
6	SOL PRO INC	TACOMA	2,466	WAD981769110
7	BURLINGTON ENVIRONMENTAL INC TACOMA	TACOMA	345	WAD020257945
8	CAMERON YAKIMA INC	YAKIMA	84	WAD009477175
9	USN PSNS BREMERTON	BREMERTON	6	WA2170023418
10	BOEING RENTON	RENTON	5	WAD009262171
	TOTAL		**49,151**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, D008, F003, F005, D007, D035, D006, D005, D018, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Washington were: metals recovery - for reuse (25,076 tons); landfill (10,925 tons); and fuel blending (8,298 tons).

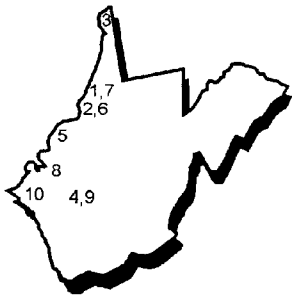
Washington Imports/Exports (As reported by Washington)

- The State that shipped the largest quantity of waste to Washington was Oregon (8,146 tons).
- The State to which Washington shipped the largest quantity of waste was Oregon (42,704 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA



1997 WASTE GENERATION

119	Total Number of RCRA Large Quantity Generators (LQGs)
152,843 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CNG TRANSMISSION CORP. - HASTINGS	PINE GROVE	57,373	WVD116025180
2	OSI SPECIALTIES, INC.	FRIENDLY	20,262	WVD004325353
3	WEIRTON STEEL CORPORATION	WEIRTON	17,844	WVD000068908
4	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	7,541	WVD005005509
5	DUPONT WASHINGTON WORKS	WASHINGTON	7,370	WVD045875291
6	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	7,165	WVD004341491
7	BAYER CORPORATION	NEW MARTINSVILLE	6,927	WVD056866312
8	CENTURY ALUMINUM OF WV, INC.	RAVENSWOOD	6,561	WVD009233297
9	UNION CARBIDE CORPORATION-SO. CHARLESTON	SOUTH CHARLESTON	5,634	WVD005005483
10	STEEL OF WV	HUNTINGTON	2,248	WVD072667801
	TOTAL		**138,923**	

Top Ten Wastes Generated* : D001, D002, D018, F003, D008, F005, D007, D009, F002, D003

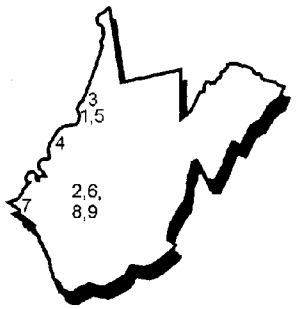
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	8,775	F Waste	17,351		
Corrosive	125	K Waste	13,527		
Reactive	46	P Waste	8		
Toxic (D004-17)	1,859	U Waste	1,352		
Toxic (D018-43)	657				
Characteristic Mixed	72,791	Listed Mixed	18,125		
TOTAL	**84,254**	**TOTAL**	**50,363**	**TOTAL Char. & Listed**	**18,226**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



WEST VIRGINIA

1997 WASTE MANAGEMENT

22	Total Number of RCRA TSD Facilities
44,438 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	OSI SPECIALTIES, INC.	FRIENDLY	15,978	WVD004325353
2	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	7,213	WVD005005509
3	BAYER CORPORATION	NEW MARTINSVILLE	6,901	WVD056866312
4	DUPONT WASHINGTON WORKS	WASHINGTON	6,388	WVD045875291
5	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	5,234	WVD004341491
6	UNION CARBIDE CORPORATION-SO. CHARLESTON	SOUTH CHARLESTON	1,227	WVD005005483
7	INCO ALLOYS INTERNATIONAL, INC.	HUNTINGTON	913	WVD076826015
8	ICI ACRYLICS - BELLE PLANT	BELLE	581	WVD005012851
9	UCC - TECH CENTER	SOUTH CHARLESTON	3	WVD060682291
	TOTAL		**44,438**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : D001, F005, D018, D002, F003, D003, F002, U154, F039, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in West Virginia were: incineration (18,834 tons); energy recovery - reuse as fuel (15,915 tons); and landfill (8,766 tons).

West Virginia Imports/Exports (As reported by West Virginia)

- The State that shipped the largest quantity of waste to West Virginia was Texas (2,634 tons).
- The State to which West Virginia shipped the largest quantity of waste was Illinois (57,690 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

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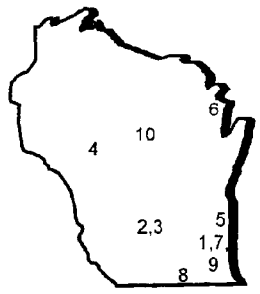


1997 WASTE GENERATION

400	Total Number of RCRA Large Quantity Generators (LQGs)
147,959 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MASTER LOCK COMPANY	MILWAUKEE	68,652	WID054105218
2	HYDRITE CHEMICAL CO.	COTTAGE GROVE	9,620	WID000808824
3	SCIENTIFIC PROTIEN LABS INC	WAUNAKEE	7,883	WID076151364
4	WRR ENVIRONMENTAL SERVICES CO., INC	WASHINGTON	5,883	WID990829475
5	CHARTER STEEL	SAUKVILLE	5,005	WID028877074
6	SPECIALTYCHEM PRODUCTS CORPORATION	MARINETTE	4,687	WID980898266
7	PPG INDUSTRIES INC	OAK CREEK	4,169	WID059972935
8	GM- NAO JANESVILLE- TRUCK PLATFORM	JANESVILLE	3,010	WID059980045
9	MILSOLV CORP	MENOMONEE FALLS	2,413	WID023350192
10	VULCAN MATERIALS CO CHEMICALS DIV	PORT EDWARDS	1,814	WID046536231
	TOTAL		**113,136**	

Top Ten Wastes Generated* : D001, D002, F005, F003, D008, D007, D009, LABP, D039, F006

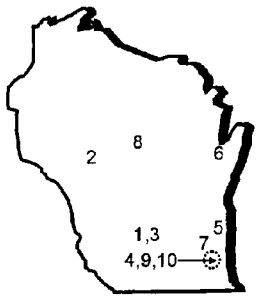
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	22,192	F Waste	45,150		
Corrosive	19,554	K Waste	7,232		
Reactive	40	P Waste	47		
Toxic (D004-17)	52,416	U Waste	490		
Toxic (D018-43)	790				
Characteristic Mixed	0	Listed Mixed	0		
TOTAL	**94,992**	**TOTAL**	**52,919**	**TOTAL Char. & Listed**	**0**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



WISCONSIN

1997 WASTE MANAGEMENT

132	Total Number of RCRA TSD Facilities
30,934 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1997

	Site Name	*City*	*Tons of Waste Managed **	*EPA ID*
1	HYDRITE CHEMICAL CO.	COTTAGE GROVE	23,840	WID000808824
2	WRR ENVIRONMENTAL SERVICES CO., INC	WASHINGTON	5,319	WID990829475
3	AMERICAN PACKAGING CORPORATION	COLUMBUS	806	WID060446499
4	HYDRITE CHEMICAL COMPANY	MILWAUKEE	782	WID981092265
5	COOK COMPOSITES AND POLYMERS CO.	SAUKVILLE	121	WID980615439
6	LAMP RECYCLERS INC	GREEN BAY	31	WI0000117853
7	DICO INC	SLINGER	21	WID023548837
8	VULCAN MATERIALS CO CHEMICALS DIV	PORT EDWARDS	10	WID046536231
9	AURA-II INC	MILWAUKEE	3	WI0000934174
10	MILSOLV CORP	MENOMONEE FALLS	1	WID023350192
	TOTAL		**30,934**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed* : F005, D001, F003, F001, D018, F002, D008, D009, D007, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix E of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Wisconsin were: fuel blending (18,630 tons); solvents recovery (11,715 tons); and incineration (455 tons).

Wisconsin Imports/Exports (As reported by Wisconsin)

- The State that shipped the largest quantity of waste to Wisconsin was Illinois (8,706 tons).
- The State to which Wisconsin shipped the largest quantity of waste was Indiana (15,102 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 WASTE GENERATION

15	Total Number of RCRA Large Quantity Generators (LQGs)
1,478 Tons	Total Quantity of RCRA Hazardous Waste Generated

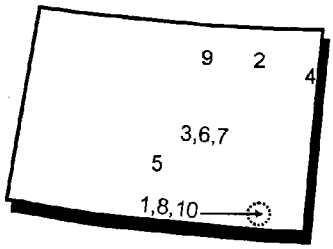


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1997

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	FRONTIER REFINING INC.	CHEYENNE	818	WYD051843613
2	KFX FUEL PARTNERS, L.P.	GILLETTE	488	WYR000001495
3	LITLE AMERICA REFINING COMPANY	CASPER	38	WYD048743009
4	NEWCASTLE REFINERY COMPANY	NEWCASTLE	35	WYD043705102
5	SINCLAIR OIL CORPORATION	SINCLAIR	26	WYD079959185
6	TEXACO REFINING & MARKETING INC	EVANSVILLE	24	WYD088677943
7	NALCO/EXXON ENERGY CHEMICALS	EVANSVILLE	17	WYD000712687
8	FRANCIS E WARREN AFB	CHEYENNE	11	WY5571924179
9	CONOCO PIPELINE BANNER MP117	BANNER	8	WYR000000620
10	COASTAL CHEM INC	CHEYENNE	5	WYD007089196
	TOTAL		1,468	

Top Ten Wastes Generated* : D001, D018, D008, D007, D035, D009, D005, F003, F005, F037

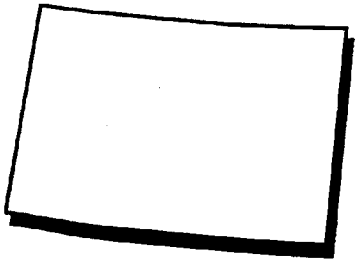
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix E of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1997

Only Characteristic		*Only Listed*		*Both Characteristic & Listed*	
Ignitable	4	F Waste	259		
Corrosive	1	K Waste	619		
Reactive	0	P Waste	0		
Toxic (D004-17)	19	U Waste	2		
Toxic (D018-43)	524				
Characteristic Mixed	39	Listed Mixed	0		
TOTAL	**586**	**TOTAL**	**880**	**TOTAL Char. & Listed**	**12**

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.



WYOMING

1997 WASTE MANAGEMENT

5	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in Wyoming that reported managing (treating or disposing) RCRA hazardous waste.

* Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

Wyoming Imports/Exports (As reported by Wyoming)

- Wyoming did not receive RCRA hazardous wastes from any other State.
- The State to which Wyoming shipped the largest quantity of waste was Utah (616 tons).

NOTE: Columns may not sum due to rounding.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.